

Bay 5, 240040 Frontier Place SE
Rocky View, Alberta T1X 0N2



REPORT: M-CG160511-1
DATE: 11-May-16
PAGE: 1 OF 2

MAGNETIC PARTICLE EXAMINATION REPORT

CLIENT:	HUSKY	CONTRACTOR:	
LOCATION NAME:	GALLOWAY GAS PLANT	STREAMLINE JOB#	16-126
LOCATION:	12-05-054-20W5M	CLIENT PO#:	
ITEMS EXAMINED:	STABALIZER REBOILER; FIRETUBE		
PROCEDURE:	MT-3 rev 1.0	ACCEPTANCE CRITERIA:	ASME VIII DIV. 1 APP. 6
		SPECIFICATION:	ASME V ART. 7

EQUIPMENT / TEST SURFACE DETAILS

<input checked="" type="checkbox"/> YOKE	<input checked="" type="checkbox"/> AC	<input type="checkbox"/> DC	<input checked="" type="checkbox"/> CONTINUOUS	<input type="checkbox"/> RESIDUAL	<input checked="" type="checkbox"/> 120Volt	<input type="checkbox"/> 12Volt	Test Weight:	10 lbs	Test Weight SN:	DMT16001
Yoke Manuf:	Magnaflux	Yoke Model:	YM5	Serial #:	614	Cal Date:	5/12/2016	Prod Spacing	3" - 8"	
<input type="checkbox"/> 100 W TROUBLE LIGHT*	<input checked="" type="checkbox"/> 10 W YOKE LIGHT*	<input type="checkbox"/> HALOGEN LIGHT	<input type="checkbox"/> OTHER:				*Light Source Intensity Demonstrated: $\geq 100fc$			
<input type="checkbox"/> BLACKLIGHT	Serial #:: 1Z11	Last Performance Check:		Minimum Black Light Intensity: $\geq 1000\mu W/cm^2$						
<input type="checkbox"/> LIGHT METER	Serial #:: 4484/7968	Last Calibration Date:		Excess Particles Removed via Flow or Exhalation						

TEST MEDIUM MANUFACTURER:	Magnaflux	MEDIUM TYPE / SIZE:	7HF (<20 μ) / WCP-2						
		MEDIUM BATCH # (s):							
<input type="checkbox"/> DRY	COLOR:	<input type="checkbox"/> FLUORESCENT	<input checked="" type="checkbox"/> BLACK ON CONTRAST WHITE	APPLICATION METHOD:	<input checked="" type="checkbox"/> SPRAY	<input type="checkbox"/> POWDER PUFFER			
Material:	C/S	Thickness	<input checked="" type="checkbox"/> CLEAN BASE METAL	<input type="checkbox"/> AS GROUND	<input type="checkbox"/> WIRE WHEEL BUFFED	<input type="checkbox"/> AS WELDED	<input type="checkbox"/> PAINTED	<input type="checkbox"/> SAND BLAST	<input type="checkbox"/> Other:

EXAMINATION DETAILS AND RESULTS

BLACK ON WHITE MT WAS PERFORMED ON ALL FILLET, MITER AND LIFTING LUG WELDS AS REQUESTED BY THE CLIENT.

RESULTS:
BURNER TUBE: A LINEAR INDICATION WAS FOUND IN THE HAZ, TUBE TO TUBE SHEET FILLET WELD, PROCESS SIDE. THE INDICATION WAS LOCATED IN THE CROTCH AREA AT APPROX. 2 O'CLOCK TO 3 O'CLOCK.
EXHAUST TUBE: A LINEAR INDICATION WAS FOUND IN THE HAZ, TUBE TO TUBE SHEET FILLET WELD, PROCESS SIDE. THE INDICATION WAS LOCATED IN THE CROTCH AREA AT APPROX. 7 O'CLOCK TO 11 O'CLOCK.

THE ABOVE INDICATIONS ARE REJECTABLE TO CODE. ALL OTHER AREAS EXAMINED WITH MT HAVE NO INDICATIONS FOUND AND ARE ACCEPTABLE TO CODE.

* SEE PAGE 2 FOR PICTURES OF FIRETUBE AND DEFECT AREAS.

TECHNICIAN/CERTIFICATION:	Curtis Graham CGSB/SNT-TC-1A; MTII,PTII,UTII,RTIII #6560	CLIENT:	Greg Guenette
SIGNATURE:		ASSISTANT:	Warren Gill
		APPROVAL:	

Bay 5, 240040 Frontier Place SE
Rocky View, Alberta T1X 0N2



REPORT: M-CG160511-1
DATE: 11-May-16
PAGE: 2 OF 2

MAGNETIC PARTICLE EXAMINATION REPORT

CLIENT:	HUSKY	CONTRACTOR:	
LOCATION NAME:	GALLOWAY GAS PLANT	STREAMLINE JOB#	16-126
LOCATION:	12-05-054-20W5M	CLIENT PO#:	
ITEMS EXAMINED:	STABALIZER REBOILER; FIRETUBE		

EXAMINATION DETAILS AND RESULTS



14" X 17'9" FIRETUBE



EXHAUST TUBE DEFECT SECTION



BURNER TUBE DEFECT SECTION