

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

CINCI PRESS 9

Component Hydraulic System Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

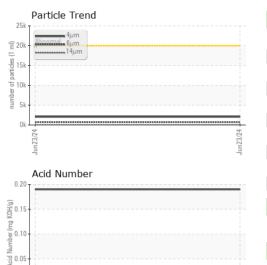
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0005831		
Sample Date		Client Info		23 Jun 2024		
Machine Age	hrs	Client Info		0		
Dil Age	hrs	Client Info		0		
Dil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>10	0		
lickel	ppm	ASTM D5185m	>10	<1		
ītanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m	>10	0		
	ppm	ASTM D5185m	>10	0		
	ppm	ASTM D5185m	>75	0		
	ppm	ASTM D5185m	>10	0		
	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		0		
/lolybdenum	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		<1		
•	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		68		
	ppm	ASTM D5185m		349		
	ppm	ASTM D5185m		439		
-	ppm	ASTM D5185m		954		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1		
	ppm	ASTM D5185m	-	2		
	ppm	ASTM D5185m	>20	2		
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	2060		
Particles >6µm		ASTM D7647	>2500	726		
Particles >14µm		ASTM D7647	>320	58		
Particles >21µm		ASTM D7647	>80	8		
Particles >38μm		ASTM D7647	>20	0		
Particles >71µm		ASTM D7647	>4	0		
Dil Cleanliness		ISO 4406 (c)	>21/18/15	18/17/13		
FLUID DEGRADAT	ION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.19		
48:39) Rev: 1	3		Co		VIRGIL OLSON	I - MARSTMM

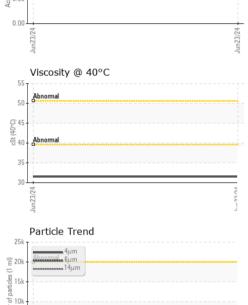
Report Id: MARSTMMN [WUSCAR] 06218141 (Generated: 06/25/2024 18:48:39) Rev: 1

Contact/Location: VIRGIL OLSON - MARSTMMN



OIL ANALYSIS REPORT





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NONE White Metal *Visual NONE scalar Yellow Metal *Visual NONE NONE scalar NONE Precipitate scalar *Visual NONE Silt scalar *Visual NONE NONE Debris *Visual NONE scalar NONE Sand/Dirt NONE NONE scalar *Visual NORML NORML Appearance scalar *Visual Odor *Visual NORML NORML scalar **Emulsified Water** scalar *Visual >0.1 NEG Free Water scalar *Visual NEG FLUID PROPERTIES Visc @ 40°C cSt ASTM D445 31.5 SAMPLE IMAGES Color no image no image Bottom no image no image GRAPHS Ferrous Alloys Particle Count 491,52 122,88 30.72 7,680 (per 1 ml) Jun23/24 4406 1.92 :1999 Cle Non-ferrous Metals 480 120 14 31 un23/74 21µ Viscosity @ 40°C Acid Number 55 @^{0.2} Abnorma 50 HOX 0.19 () 0-0+ 50.10 40 0.05 35 30 0.00 : WearCheck USA - 501 Madison Ave., Cary, NC 27513 MARKSMAN METALS CO INC : PTK0005831 Received : 24 Jun 2024 12260 42ND ST NE Lab Number : 06218141 Tested : 25 Jun 2024 ST MICHAEL, MN Unique Number : 11096338 Diagnosed : 25 Jun 2024 - Don Baldridge US 55376 Test Package : MOB 2 Contact: VIRGIL OLSON volson@marksmanmetals.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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Laboratory

Sample No.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate 12367

Contact/Location: VIRGIL OLSON - MARSTMMN

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