

OIL ANALYSIS REPORT

Area MP-134 [10024266759] B41828 - MP MARLEN HYDRAULIC POWER UNIT (S/N 631-952)

Hydraulic System

PETRO CANADA PURITY FG AW HYDRAULIC 46 (60 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



Sample Rating Trend

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0923576	WC0907975	WC0885403
Sample Date		Client Info		24 May 2024	03 Apr 2024	07 Feb 2024
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>40	15	18	12
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>4	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>60	2	1	2
Tin	ppm	ASTM D5185m	>4	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	3	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	1	2
Phosphorus	ppm	ASTM D5185m		438	423	461
Zinc	ppm	ASTM D5185m		11	15	5
Sulfur	ppm	ASTM D5185m		530	583	476
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	4	4
Sodium	ppm	ASTM D5185m		2	2	1
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<mark> </mark> 19313	7769	
Particles >6µm		ASTM D7647	>1300	🔺 2685	291	
Particles >14µm		ASTM D7647	>160	154	13	
Particles >21µm		ASTM D7647	>40	35	2	
Particles >38µm		ASTM D7647	>10	3	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/17/14	A 21/19/14	20/15/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.26	0.18	0.18	0.20

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0.18 Contact/Location: RYAN LOWE - HORAUS



KOH/g)

-B 0.10

0.00

52

48

(0°046

44 - 42 - Abn

40

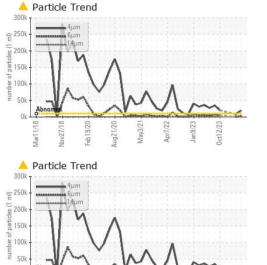
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OIL ANALYSIS REPORT



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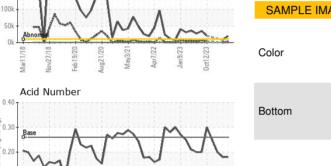
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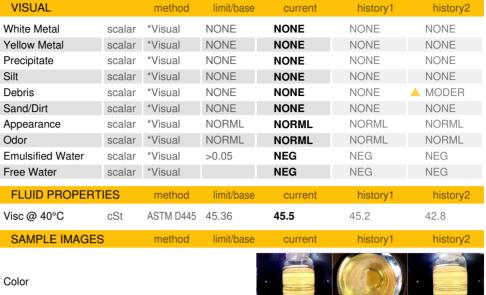
eh19/20

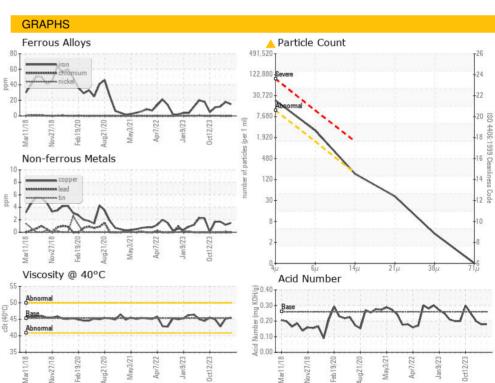
Viscosity @ 40°C



an9/23

an9/73





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **HORMEL FOODS - AUSTIN** Sample No. : WC0923576 Received : 03 Jun 2024 1101 NORTH MAIN ST Lab Number : 06197584 Tested : 04 Jun 2024 AUSTIN, MN Unique Number : 11059707 Diagnosed : 04 Jun 2024 - Wes Davis US 55912 Test Package : IND 2 Contact: RYAN LOWE Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. rslowe@hormel.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (507)437-5674 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (507)437-9805

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