

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



MP-134

B41828 - MP MARLEN HYDRAULIC POWER UNIT (S/N 631-952)

Hydraulic System

PETRO CANADA PURITY FG AW HYDRAULIC 46 (60 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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

LIC 46 (60 GAL) 12016 Sept010 Dect019 Judges Mart0221 Febt022 Novd022 Augt023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0907975	WC0885403	WC0866700
Sample Date		Client Info		03 Apr 2024	07 Feb 2024	12 Dec 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	V	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	18	12	11
Chromium	ppm	ASTM D5185m	>4	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>4	0	0	1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>60	1	2	2
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	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		3	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		1	2	<1
Phosphorus	ppm	ASTM D5185m		423	461	442
Zinc	ppm	ASTM D5185m		15	5	0
Sulfur	ppm	ASTM D5185m		583	476	562
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	4	4
Sodium	ppm	ASTM D5185m		2	1	0
Potassium	ppm	ASTM D5185m	>20	0	0	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	7769		
Particles >6µm		ASTM D7647	>1300	291		
Particles >14μm		ASTM D7647	>160	13		
Particles >21µm		ASTM D7647	>40	2		
Particles >38μm		ASTM D7647	>10	0		
Particles >71μm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>20/17/14	20/15/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D8045	0.26	0.18	0.20	0.25

Acid Number (AN)

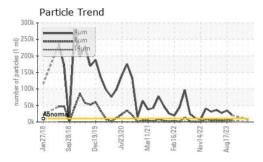
mg KOH/g ASTM D8045 0.26

0.20

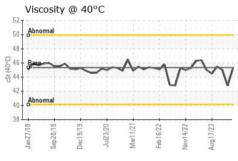
Contact/Location: RYAN LOWE - HORAUS

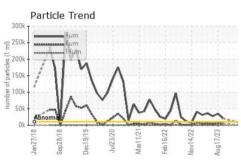


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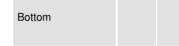


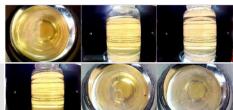
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2

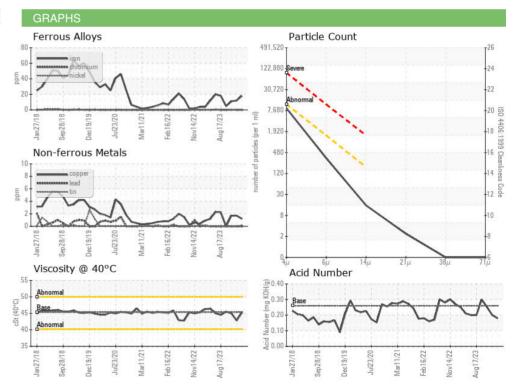
Visc @ 40°C	cSt	ASTM D445	45.36	45.2	42.8	45.0

AMPLE IMAGES	method		
		100	The state of the s

Color











Certificate 12367

Laboratory Sample No. Lab Number : 06143015

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0907975

Unique Number : 10967823

Received **Tested**

: 09 Apr 2024 : 10 Apr 2024

Diagnosed

: 10 Apr 2024 - Wes Davis

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

HORMEL FOODS - AUSTIN

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