

OIL ANALYSIS REPORT

Area MP-105 B52525 - PUMP VACUUM BUSCH RA0630 HAM LINE 1 (TOP) (S/N U093504072) Component Top Pump Fluid

PETRO CANADA PURITY FG SYNTHETIC 100 (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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



Sample Rating Trend

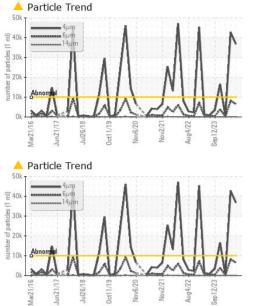
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0907929	WC0894943	WC0880531
Sample Date		Client Info		16 Apr 2024	08 Mar 2024	29 Dec 2023
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	9	12	12
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m	>3	<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	<1	<1	2
Lead	ppm	ASTM D5185m	>12	0	0	<1
Copper	ppm	ASTM D5185m	>30	<1	1	<1
Tin	ppm	ASTM D5185m	>9	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	7
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		2	0	1
Phosphorus	ppm	ASTM D5185m		556	574	629
Zinc	ppm	ASTM D5185m		8	5	2
Sulfur	ppm	ASTM D5185m		1755	1651	1638
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	3	3	3
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 36750	42753	583
Particles >6µm		ASTM D7647	>2500	🔺 6515	<u> </u>	196
Particles >14µm		ASTM D7647	>320	77	97	17
Particles >21µm		ASTM D7647	>80	8	6	4
Particles >38µm		ASTM D7647	>20	1	0	0
Particles >71µm		ASTM D7647	>4	1	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 22/20/13	▲ 23/20/14	16/15/11
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.5	0.14	0.241	0.16
				a		

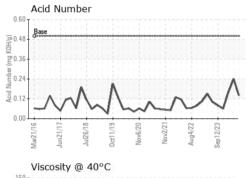
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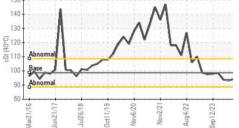
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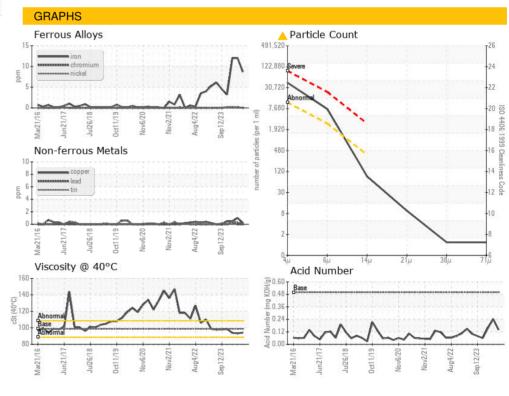






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	0.2%
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	98.7	94.2	93.2	93.8
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				A.		
Bottom						

Bottom



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **HORMEL FOODS - AUSTIN** Sample No. : WC0907929 Received : 22 Apr 2024 1101 NORTH MAIN ST Lab Number : 06155840 Tested : 23 Apr 2024 AUSTIN, MN Unique Number : 10991263 Diagnosed : 24 Apr 2024 - Don Baldridge US 55912 Test Package : IND 2 (Additional Tests: PrtCount) Contact: RYAN LOWE Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. rslowe@hormel.com T: (507)437-5674 * - 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) F: (507)437-9805

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