

OIL ANALYSIS REPORT

Area

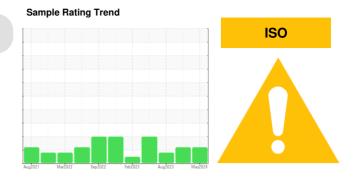
RP-107 [10024234040]

B68818 - AUGER HAARSLEV HAMMER MILL #1 FEED SCREW B68818

Gearbox

Fluid

PETRO CANADA ENDURATEX SYNTHETIC EP 320 (--- GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

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.

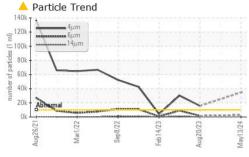
Fluid Condition

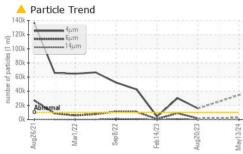
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

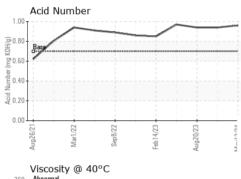
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0930387	WC0856106	WC0826202
Sample Date		Client Info		13 May 2024	18 Nov 2023	20 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	22	6	2
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	<1
Tin	ppm	ASTM D5185m	>25	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	nnm	ASTM D5185m	33	22	29	29
Barium	ppm	ASTM D5185m	5	0	0	<1
Molybdenum	ppm	ASTM D5185m	J	0	0	0
Manganese	ppm	ASTM D5185m		ν <1	0	0
Magnesium		ASTM D5185m	5	1	1	<1
Calcium	ppm	ASTM D5185m	5	9	8	6
Phosphorus	ppm	ASTM D5185m	437	426	429	399
Zinc	ppm	ASTM D5185m	5	14	0	3
Sulfur	ppm	ASTM D5185m	5000	6635	5509	5810
CONTAMINANTS		method				
			limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	0
Sodium	ppm	ASTM D5185m	00	3	0	0
Potassium	ppm	ASTM D5185m		<1	2	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u>▲</u> 34727		15684
Particles >6µm		ASTM D7647	>2500	<u>2736</u>		1554
Particles >14μm		ASTM D7647	>320	71		78
Particles >21µm		ASTM D7647		19		28
Particles >38µm		ASTM D7647	>20	2		3
Particles >71μm		ASTM D7647		0		1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>22/19/13</u>		21/18/13

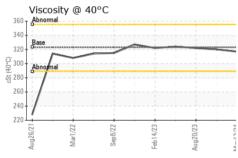


OIL ANALYSIS REPORT

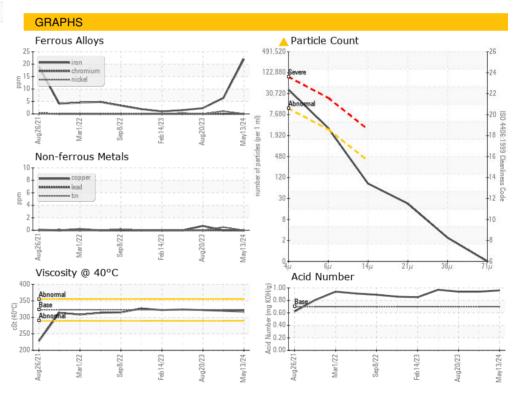








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	323	317	320	322
SAMPLE IMAGES meth		method	limit/base	current	history1	history2
Color						,







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0930387 Lab Number : 06184287

Unique Number : 11035613

Bottom

Received : 20 May 2024 **Tested** Diagnosed

: 22 May 2024 : 22 May 2024 - Wes Davis

Test Package : IND 2 (Additional Tests: PrtCount)

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

1101 NORTH MAIN ST AUSTIN, MN

US 55912 Contact: RYAN LOWE rslowe@hormel.com T: (507)437-5674

F: (507)437-9805 Contact/Location: RYAN LOWE - HORAUS