

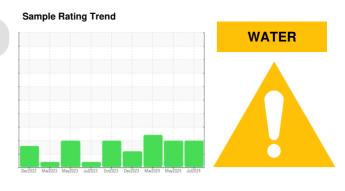
OIL ANALYSIS REPORT

FP-110

B73017 - SOUTH HAARSLEV BONE RESIDUE

Pump

PETRO CANADA PURITY FG EP GEAR OIL 320 (--- GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil.

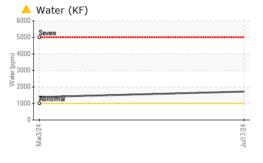
Fluid Condition

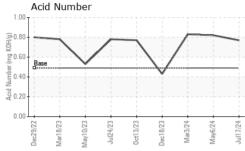
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

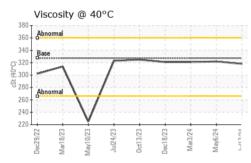
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0943501	WC0908037	WC0894940
Sample Date		Client Info		17 Jul 2024	06 May 2024	03 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	<1	1	2
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>7	4	2	0
Lead	ppm	ASTM D5185m	>12	0	<1	0
Copper	ppm	ASTM D5185m	>30	4	<1	0
Tin	ppm	ASTM D5185m	>9	<1	0	0
Vanadium	ppm	ASTM D5185m	. •	<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		17	23	21
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		29	24	63
Phosphorus	ppm	ASTM D5185m		413	475	460
Zinc	ppm	ASTM D5185m		6	0	0
Sulfur	ppm	ASTM D5185m		5338	6391	6037
CONTAMINANTS		method	limit/base	current	history1	history2
		ACTM DE10Em		2	1	4
Silicon Sodium	ppm	ASTM D5185m	>60		0	1
	ppm	ASTM D5185m	>20	0		0
Potassium Water	ppm %	ASTM D5185m ASTM D6304		2 <u> </u>	<1	0.139
ppm Water	ppm	ASTM D6304 ASTM D6304		▲ 1720		▲ 1390
FLUID CLEANLIN		method	limit/base		history1	history2
	L00			current		
Particles >4µm Particles >6µm		ASTM D7647 ASTM D7647	>10000		△ 26145 △ 8643	
					▲ 8643 ▲ 864	
Particles >14µm		ASTM D7647 ASTM D7647	>320		▲ 864 ▲ 247	
Particles >21µm			>80			
Particles >38µm		ASTM D7647	>20		14	
Particles >71µm		ASTM D7647	>4		2 22/20/17	
Oil Cleanliness	TION	ISO 4406 (c)	>20/18/15		△ 22/20/17	history O
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.49	0.77	0.82	0.83

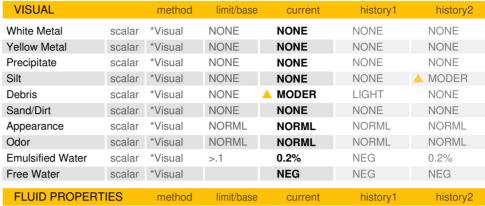


OIL ANALYSIS REPORT









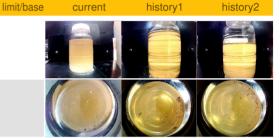
Visc @ 40°C	cSt	ASTM D445	327.3	318	322	321

method

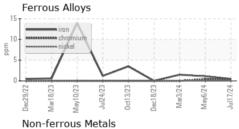
Color

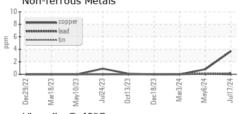
SAMPLE IMAGES

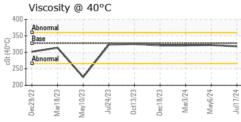




GRAPHS



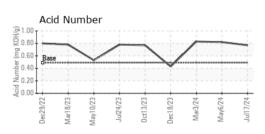




: 18 Jul 2024

: 20 Jul 2024

: 20 Jul 2024 - Don Baldridge







Certificate 12367

Laboratory Sample No.

: WC0943501 Lab Number : 06240301

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

Unique Number : 11129135 Test Package : IND 2 (Additional Tests: KF, 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

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

F: (507)437-9805

Report Id: HORAUS [WUSCAR] 06240301 (Generated: 07/21/2024 14:42:24) Rev: 1

Contact/Location: RYAN LOWE - HORAUS