

OIL ANALYSIS REPORT

Area **NORTH KETTLE ROOM** B25151 - KETTLE 1

Component Gearbox

Fluid PETRO CANADA PURITY FG SYN GEAR ISO

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.

O 220 (GAL)		ıb2018 May2	019 Aug2020 May2021	Aug2021 Jan2023 Jun2023	Der2023	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0885457	WC0885420	WC0880630
Sample Date		Client Info		02 Apr 2024	06 Feb 2024	18 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Dil Age	hrs	Client Info		0	0	0
Dil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Vater		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>200	5	3	5
Chromium	ppm	ASTM D5185m	>10	0	0	<1
lickel	ppm	ASTM D5185m	>10	0	<1	<1
ītanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
luminum	ppm	ASTM D5185m	>25	7	7	6
ead	ppm	ASTM D5185m	>50	0	0	0
opper	ppm	ASTM D5185m	>200	0	0	0
in	ppm	ASTM D5185m	>10	<1	0	<1
'anadium	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	2
lolybdenum	ppm	ASTM D5185m		3	0	<1
langanese	ppm	ASTM D5185m		<1	0	0
lagnesium	ppm	ASTM D5185m		<1	0	<1
alcium	ppm	ASTM D5185m		9	6	7
hosphorus	ppm	ASTM D5185m		227	241	243
linc	ppm	ASTM D5185m		6	0	0
Sulfur	ppm	ASTM D5185m		973	721	748
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	9	8	11
Sodium	ppm	ASTM D5185m		5	5	3
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<u> </u>	▲ 59225	A 72631
articles >6μm		ASTM D7647	>5000	6684	5126	7245
Particles >14µm		ASTM D7647	>640	94	74	145
Particles >21µm		ASTM D7647		12	9	22
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Dil Cleanliness		ISO 4406 (c)	>21/19/16	A 23/20/14	A 23/20/13	▲ 23/20/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.42	0.52	0.46	0.47
			a			

Sample Rating Trend

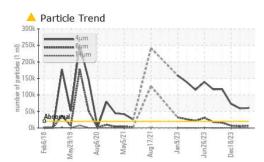
ISO

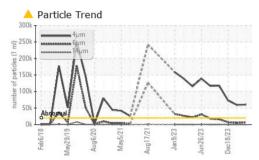
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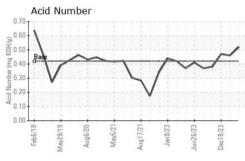
Contact/Location: JAMES ROBINSON III - ROCROCUS

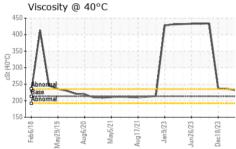


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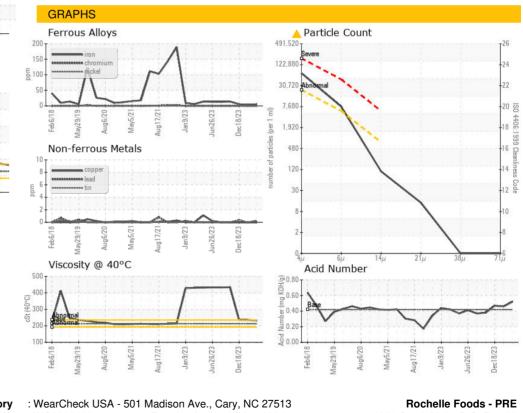








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	213	232	236	236.6
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						



Laboratory Sample No. : WC0885457 Received : 09 Apr 2024 1001 South Main, P.O. Box 45 Lab Number : 06143020 Tested : 10 Apr 2024 Rochelle, IL Unique Number : 10967828 Diagnosed : 11 Apr 2024 - Jonathan Hester US 61068 Test Package : IND 2 (Additional Tests: PrtCount) Contact: JAMES ROBINSON III Certificate 12367 jrobinson3@hormel.com 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. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (815)562-4147

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