

PROBLEM SUMMARY

Debris

Sample Rating Trend **VIS DEBRIS I....1**11..1

scalar *Visual NONE 🔺 MODER LIGHT LIGHT

POLAR SMIMID MASSAGER 1 (S/N CK3357U00145) Component

Gearbox

Fluic PETRO CANADA PURITY FG EP GEAR OIL 220 (--- GAL)

COMPONENT CONDITION SUMMARY

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.

No relevant graphs to display

RECOMMENDATION	PROBLEMATIC TEST RESULTS			
We recommend you service the filters on this	Sample Status	ABNORMAL	ABNORMAL	ABNORMAL

Customer Id: SMIMID Sample No.: USP0000498 Lab Number: 05933715 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED	O ACTIONS			
Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component if applicable.
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS



04 Jun 2023 Diag: Doug Bogart

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

08 Mar 2023 Diag: Doug Bogart



Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

29 Nov 2022 Diag: Doug Bogart



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

POLAR SMIMID MASSAGER 1 (S/N CK3357U00145)

Gearbox Fluid

PETRO CANADA PURITY FG EP GEAR OIL 220 (--- 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.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

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

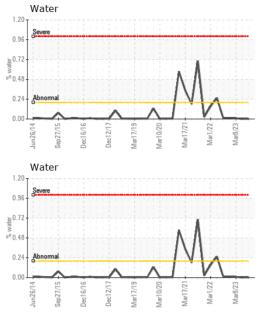
		nzuli4 Sepzul	IS Deczule Deczul7 Mi	r2019 Mar2020 Mar2021 Mar202	z Marzuza	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0000498	USP243483	USP246388
Sample Date		Client Info		23 Aug 2023	04 Jun 2023	08 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Dil Age	hrs	Client Info		0	0	0
Dil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>200	59	27	15
Chromium	ppm	ASTM D5185m	>15	0	0	0
lickel	ppm	ASTM D5185m	>15	0	0	0
ītanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	3	<1
ead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	<1	0
īn	ppm	ASTM D5185m	>25	0	0	0
/anadium	ppm	ASTM D5185m		0	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
lolybdenum	ppm	ASTM D5185m		0	0	0
langanese	ppm	ASTM D5185m		<1	<1	0
lagnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		7	11	2
hosphorus	ppm	ASTM D5185m		155	93	80
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		898	857	767
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	2	2
odium	ppm	ASTM D5185m		2	2	0
otassium	ppm	ASTM D5185m	>20	0	<1	0
Vater	%	ASTM D6304	>0.2	0.001	0.001	0.008
pm Water	ppm	ASTM D6304	>2000	9.4	0.00	82.0
FLUID CLEANLIN	VESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000		1 10365	106748
articles >6µm		ASTM D7647			▲ 37729	▲ 17299
Particles >14µm		ASTM D7647	>640		1 681	130
Particles >21µm		ASTM D7647			<u> </u>	11
Particles >38µm		ASTM D7647	>40		19	1
Particles >71µm		ASTM D7647			5	0
Dil Cleanliness		ISO 4406 (c)	>21/19/16		24/22/18	24/21/14

Sample Rating Trend

VIS DEBRIS



OIL ANALYSIS REPORT

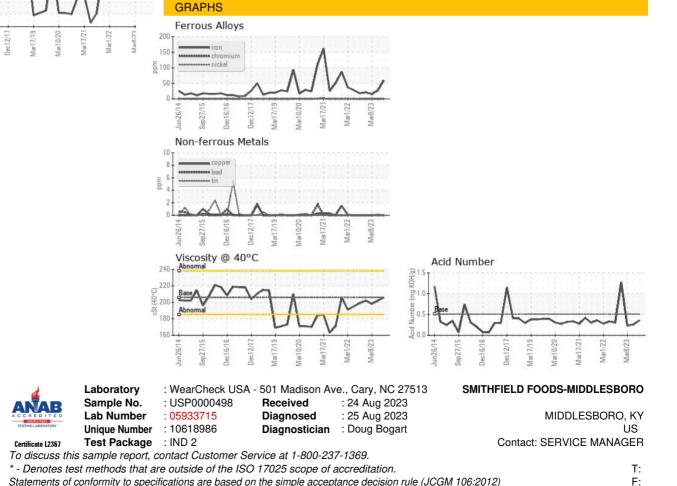


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	A MODER	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	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 PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	205.8	206	202	198
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color					astrox mager #1 real 278204.4 realimito	ator ser #1 202044 ND

Viscosity @ 40°C 240 - A 230 220 () 210 () 200 20 20 20 20 20 20 180 170 160 en27/15 Jec16/16 Jun26/1

Bottom





Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: SERVICE MANAGER ? - SMIMID