

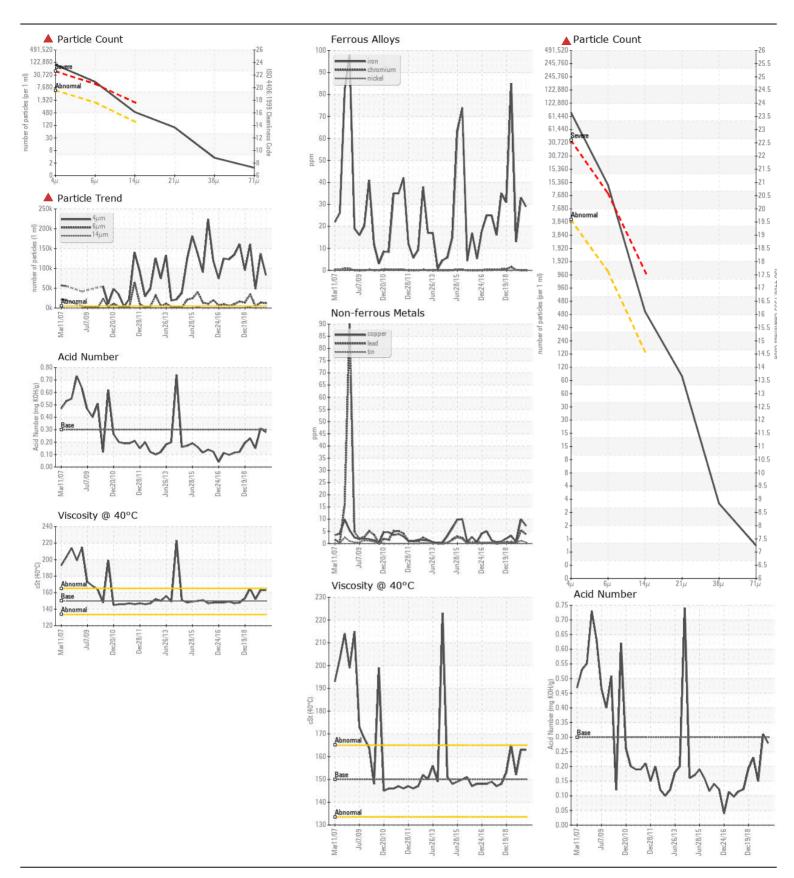
WEAR CONTAMINATION FLUID CONDITION **NORMAL SEVERE NORMAL**

1 White Oil/028 #1HTU/P Pump/202A Wash Water (N)

N/A 28P202A (RECIP) Component Pump

PETRO CANADA COMPRO COMPRESSOR OIL 150 (20 LTR)

DECOMMENDATION	Toot	LIONA	Mother	Linalt/Alas	Cumant	l liete:::4	l liota ····∩
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a	Sample Number		Client Info		WC0883377 29 Apr 2024		WC0296198
	Sample Date Machine Age	hrs	Client Info			07 Dec 2022 0	29 Apr 2021 0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
suitable micron rated and/or desiccant air breather. If rated, we	Oil Changed	1115	Client Info		N/A	N/A	N/A
recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.	Filter Changed		Client Info		N/A N/A	N/A	N/A
	Sample Status		Client into		SEVERE	SEVERE	SEVERE
WEAR	Iron	ppm	ASTM D5185(m)	>90	29	33	13
All component wear rates are normal.	Chromium	ppm	ASTM D5185(m)	>5	0	0	<1
	Nickel	ppm	ASTM D5185(m)	>5	0	0	<1
	Titanium	ppm	ASTM D5185(m)	>3	0	<1	0
	Silver	ppm	ASTM D5185(m)	>3	0	0	<1
	Aluminum	ppm	ASTM D5185(m)	>7	<1	<1	<1
	Lead	ppm	ASTM D5185(m)	>12	4	5	<1
	Copper	ppm	ASTM D5185(m)	>30	7	10	<1
	Tin	ppm	ASTM D5185(m)	>9	<1	1	<1
	Vanadium	ppm	ASTM D5185(m)		0	0	0
	White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185(m)	>60	2	3	1
CONTAMINATION	Potassium	ppm	ASTM D5185(m)		4	0	0
There is a high amount of particulates (2 to 100 microns in size) present in the oil.	Water	ppiii	WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647		▲ 83028	▲ 136653	▲ 48182
	Particles >6µm		ASTM D7647		▲ 12488	1 3713	4340
	Particles >14µm		ASTM D7647		456	<u> </u>	172
	Particles >21µm		ASTM D7647		4 84	70	32
	Particles >38µm		ASTM D7647	>10	3	2	0
	Particles >71µm		ASTM D7647	>3	1	0	0
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	4 24/21/16	4 24/21/16	2 3/19/15
	Silt	scalar	Visual*	NONE	NONE	NONE	NONE
	Debris	scalar	Visual*	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	Visual*	NONE	VLITE	VLITE	NONE
	Appearance		Visual*	NORML	NORML	NORML	NORML
	Odor	scalar	Visual*	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	Visual*	>.1	NEG	.2%	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		2	<1	<1
TEOID CONDITION	Boron	ppm	ASTM D5185(III)	0	2	2	1
The AN level is acceptable for this fluid. The oil is still serviceable	Barium	ppm	ASTM D5185(m)		0	0	0
provided that the contaminant(s) can be reduced to acceptable levels.	Molybdenum	ppm	ASTM D5185(m)		0	0	0
	Manganese	ppm	ASTM D5185(m)		<1	<1	<1
	Magnesium	ppm	ASTM D5185(m)	70	2	1	0
	Calcium	ppm	ASTM D5185(m)		5	11	<1
	Phosphorus	ppm	ASTM D5185(m)		117	133	23
	Zinc	ppm	ASTM D5185(m)	2	8	8	<1
	Sulfur	ppm	ASTM D5185(m)		3352	3473	3150
	Acid Number (AN)	mg KOH/g	ASTM D974*		0.28	0.31	0.15
		0 - 0		150	-		





ISO 17025:2017 Accredited Laboratory Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

 Sample No.
 : WC0883377
 Received
 : 02 May 2024

 Lab Number
 : 02632783
 Tested
 : 03 May 2024

 Unique Number
 : 5773936
 Diagnosed
 : 03 May 2024 - Wes Davis

Test Package : IND 2 (Additional Tests: TAN Man)
To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Petro Canada Lubricants Inc.

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