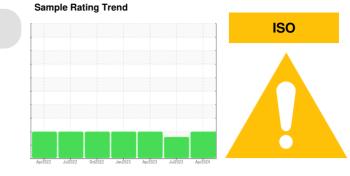


OIL ANALYSIS REPORT

Area HYDRAULIC **B70041 - HYDRAULIC PUMP - MARLEN 1**

Hydraulic Power Pack

PETRO CANADA PURITY FG HYDRAULIC AW 68 (60 GAL)



DIAGNOSIS	SAMPLE INFORMA	TION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0872485	WC0814165	WC0755367
le recommend you service the filters on this	Sample Date		Client Info		16 Apr 2024	18 Jul 2023	17 Apr 2023
omponent if applicable. Resample at the next	Machine Age	nrs	Client Info		0	0	0
rvice interval to monitor.	Oil Age	nrs	Client Info		0	0	0
ear	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
component wear rates are normal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Contamination There is a high amount of particulates present in the oil.	CONTAMINATION		method	limit/base	current	history1	history2
	Water		WC Method	>0.05	NEG	NEG	NEG
Fluid Condition The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	WEAR METALS		method	limit/base	current	history1	history2
	lron p	opm	ASTM D5185m	>20	4	3	6
	Chromium p	opm	ASTM D5185m	>20	<1	<1	1
		opm	ASTM D5185m		<1	<1	<1
		opm	ASTM D5185m		<1	0	0
		opm	ASTM D5185m		0	0	0
	1	opm	ASTM D5185m	>20	2	0	0
	1	opm	ASTM D5185m		- <1	1	2
		opm	ASTM D5185m		3	<u>▲</u> 62	<u>∠</u> <u>∧</u> 74
		opm	ASTM D5185m		ر 1	0	<1
		opm	ASTM D5185m	20	<1	0	0
		opm	ASTM D5185m		<1	0	0
				limit/base			
	ADDITIVES		method	IIIII/base	current	history1	history2
		opm	ASTM D5185m		0	0	0
		opm	ASTM D5185m		0	2	0
		opm	ASTM D5185m		<1	<1	<1
		opm	ASTM D5185m		0	<1	<1
	Magnesium p	opm	ASTM D5185m		<1	1	3
	Calcium p	opm	ASTM D5185m		0	6	13
	Phosphorus p	opm	ASTM D5185m		409	423	453
	Zinc	opm	ASTM D5185m		8	121	146
	Sulfur ß	opm	ASTM D5185m		485	2463	2149
	CONTAMINANTS		method	limit/base	current	history1	history2
		opm	ASTM D5185m	>15	3	2	3
	Sodium p	opm	ASTM D5185m		0	0	0
	Potassium p	opm	ASTM D5185m	>20	1	0	<1
	FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647	>5000	45096	1 3053	47933
	Particles >6µm		ASTM D7647	>1300	<u> </u>	475	🔺 1455
	Particles >14µm		ASTM D7647	>160	473	23	15
	Particles >21µm		ASTM D7647		<u> </u>	7	4
	Particles >38µm		ASTM D7647		4	0	0
	Particles >71µm		ASTM D7647		0	0	0
	Oil Cleanliness		ISO 4406 (c)		23/20/16	▲ 21/16/12	▲ 23/18/11
	FLUID DEGRADAT	ION	method	limit/base	current	history1	history2
			ASTM D8045		0.32	0.21	0.20
				0.20	0.02	0.41	0.20

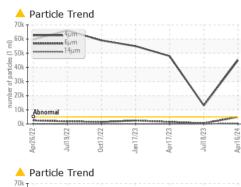
Report Id: PAPOMA [WUSCAR] 06157646 (Generated: 04/25/2024 19:58:08) Rev: 1

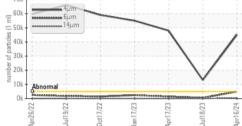
0.21 0.20 Submitted By: NEIL ARIANO

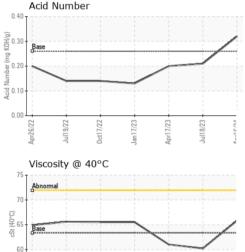
Page 1 of 2



OIL ANALYSIS REPORT







Jan 17/23

Apr17/23

0ct17/22

Jul18/23

Ab

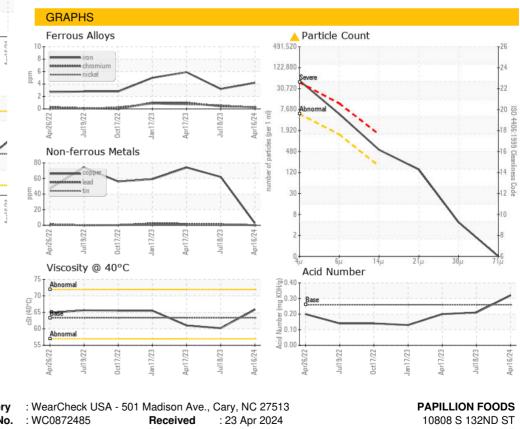
Apr26/22

CC/011

55

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	LIGHT	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	>0.05	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	63.34	65.8	60.2	61.0
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						

116



Laboratory Sample No. Lab Number : 06157646 Tested : 24 Apr 2024 OMAHA, NE Unique Number : 10993069 Diagnosed : 25 Apr 2024 - Don Baldridge US 68138 Test Package : IND 2 Contact: NEIL ARIANO Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. njariano@hormel.com * - 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)

Report Id: PAPOMA [WUSCAR] 06157646 (Generated: 04/25/2024 19:58:08) Rev: 1

Submitted By: NEIL ARIANO Page 2 of 2

T:

F: