

OIL ANALYSIS REPORT

Sample Rating Trend





PETRO CANADA PURITY FG HYDRAULIC AW 68 (700 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0062079		
Sample Date		Client Info		01 Apr 2023		
Machine Age	hrs	Client Info		74251		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	0		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	0		
Lead	ppm	ASTM D5185(m)	>20	0		
Copper	ppm	ASTM D5185(m)	>20	<1		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		0		
Calcium	ppm	ASTM D5185(m)		<1		
Phosphorus	ppm	ASTM D5185(m)		441		
Zinc	ppm	ASTM D5185(m)		3		
Sulfur	ppm	ASTM D5185(m)		407		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	134		
Particles >6µm		ASTM D7647	>1300	89		
Particles >14µm		ASTM D7647	>160	30		
Particles >21µm		ASTM D7647		7		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	14/14/12		
FLUID DEGRAI		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.26	0.16		
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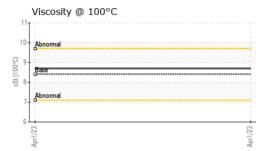
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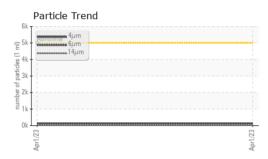
0.16 Contact/Location: Sebastien Brisson - IMLSTP

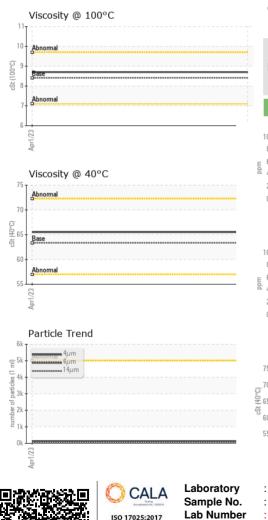
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OIL ANALYSIS REPORT







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Water UID PROPE @ 40°C @ 100°C sity Index (VI) MPLE IMAG	scalar RTIES cSt cSt Scale	Visual* method ASTM D7279(m) ASTM D7279(m) ASTM D2270*	limit/base 63.34 8.409 102	NEG current 65.5 8.7 104	 history1 history1	history2 history2
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sity Index (VI) MPLE IMAG	Scale	ASTM D2270*	102	104	 history1	
MPLE IMAG					history1	
	iES	method	limit/base	current		
					no image	no image
m						no image
					no image	no image
APHS						
ous Alloys				Particle Count		
iron			491,520	U T		T ²⁶
neeseen chromium nickel			122,880	0- Severe		-24
			30,720			-22
			7.680	Abnormal		-20
			Apr1/23 per 1 ml			
			Jd jag 1,920	0-	•	-18
-ferrous Metal	s		10 480	0		-16
copper			Kind the second	0		-20 -18 -16 -14
ennesse lead			quinu			-12
			30	U+		+12
			8	8-		-10
			EZ 2	2-		-8
			Apr			
osity @ 40°C			U	4 6µ Acid Number	14µ 21µ	38µ 71µ
rmal			₽0.30	Base		
			9 0.24 P	4		
			<u></u> 三 三 三 二 2 0.18	8		
			N.12	6 -		
rmal			00.0 4			
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Test Package : IND 2 (Additional Tests: KV100, VI) 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. 2625, Route 344 St. Placide, QC CA J0V 2B0 Contact: Sebastien Brisson sbrisson@iml.ca T: (450)258-2262 F: (450)258-3345

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