

OIL ANALYSIS REPORT

Sample Rating Trend



SIDE PULLER HPU (S/N MK6D/WRV1)

Component

Hydraulic System

PETRO CANADA PURITY FG HYDRAULIC

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 6 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.

AW 68 (GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0008239	USP0005142	USP0001557
Sample Date		Client Info		11 Mar 2024	13 Dec 2023	19 Sep 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	0
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>20	<1	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	3	8	8
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	5	0
Calcium	ppm	ASTM D5185m		32	31	15
Phosphorus	ppm	ASTM D5185m		323	346	322
Zinc	ppm	ASTM D5185m		348	337	265
Sulfur	ppm	ASTM D5185m		804	796	705
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	0
Sodium	ppm	ASTM D5185m		1	0	1
Potassium	ppm	ASTM D5185m	>20	1	2	0
Water	%	ASTM D6304	>0.05	0.003	0.003	0.005
ppm Water	ppm	ASTM D6304	>500	32	38	55.9
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	5248	3087	1809
Particles >6μm		ASTM D7647	>1300	337	459	259
Particles >14μm		ASTM D7647	>160	16	10	12
Particles >21µm		ASTM D7647	>40	5	3	3
Particles >38μm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/16/11	19/16/10	18/15/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.26	0.46	0.43	0.36



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Sample No. Lab Number

: 06133396 Unique Number: 10952861

: USP0008239 Received **Tested** Diagnosed

Test Package : IND 2

Certificate L2367 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.

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

: 01 Apr 2024

: 01 Apr 2024 - Doug Bogart

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