

OIL ANALYSIS REPORT

Sample Rating Trend NORMAL



ELION P3-OHIO (S/N 2017014501) Component

Hydraulic System

PETRO CANADA PURITY FG HYDRAULIC AW 68 (600 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

MPC (Membrane Patch Colorimetry) test indicates acceptable levels of varnish present. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

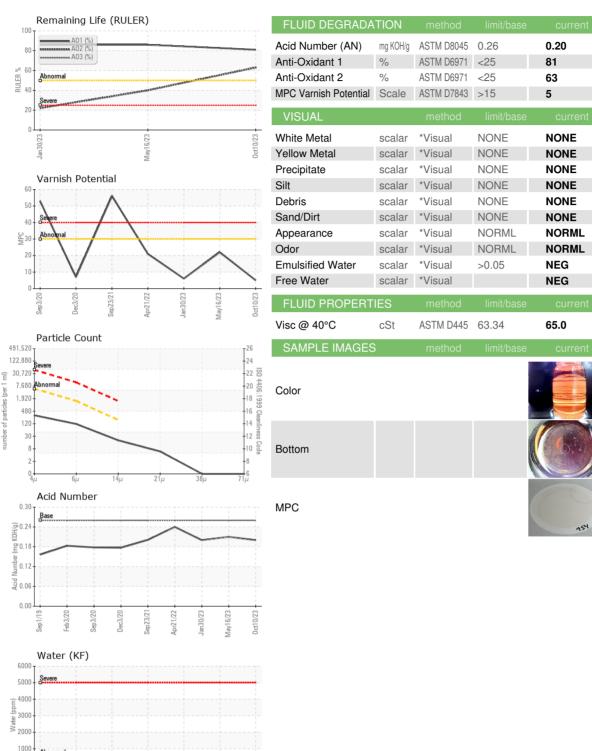
Fluid Condition

Linear Sweep Voltammetry (RULER - ASTM D6971) testing indicates normal levels of antioxidants present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0699218	WC0699214	WC0699213
Sample Date		Client Info		10 Oct 2023	16 May 2023	30 Jan 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		13640	12800	11700
Oil Changed		Client Info		Filtered	Filtered	Filtered
Sample Status				NORMAL	MARGINAL	MARGINAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	0	0
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	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
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	<1	<1
Calcium	ppm	ASTM D5185m		1	<1	2
Phosphorus	ppm	ASTM D5185m		354	405	400
Zinc	ppm	ASTM D5185m		2	0	4
Sulfur	ppm	ASTM D5185m		890	1212	1024
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	1	3
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304		0.002	0.001	
ppm Water	ppm	ASTM D6304	>500	20.8	1.3	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	268	49	91
Particles >6µm		ASTM D7647	>1300	103	19	32
Particles >14µm		ASTM D7647	>160	17	2	3
Particles >21µm		ASTM D7647	>40	5	1	1
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/14/11	13/11/9	14/12/9



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IML CONTAINERS OHIO 5365 EAST CENTER DRIVE NORTHEAST, Suite D CANTON, OH US 44721 Contact: Juliana Nesello sguiraldello@iml.com.br T: (330)754-1066 06:2012) F:

0.21

86

40

22

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

71.3

0.20

86

22

6

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

66.0

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.

: WC0699218

Test Package : AOM 1 (Additional Tests: KF)

: 05997954

: 10726314

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Diagnostician

: 03 Nov 2023

: 14 Nov 2023

: Doug Bogart

Received

Diagnosed

Certificate L2367

1au16/2

Laboratory

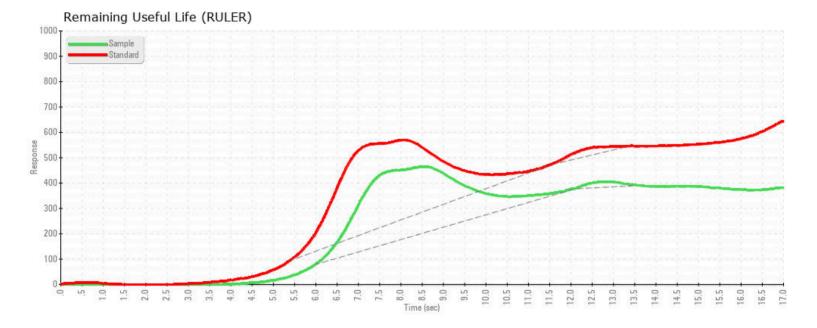
Sample No. Lab Number

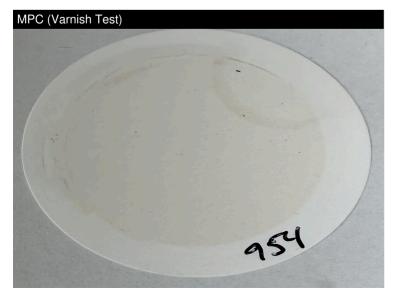
Unique Number

Abnorma

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Contact/Location: Juliana Nesello - IMLCAN





Sample Color & Clarity

Report Id: IMLCAN [WUSCAR] 05997954 (Generated: 11/16/2023 03:11:52) Rev: 1

Contact/Location: Juliana Nesello - IMLCAN Page 3 of 4

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