

OIL ANALYSIS REPORT

Sample Rating Trend



Area DRUMRIGHT Machine Id Unit 01 DB120101E Component

Diesel Engine

PETRO CANADA DURON MONOGRADE HD 40W (250 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

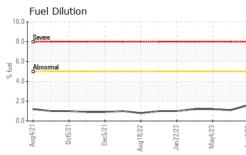
Fluid Condition

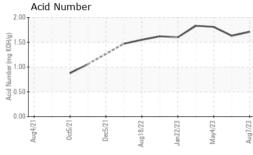
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

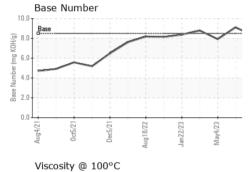
9 40W (250 GAL)	Aug2021	Oct2021 Dec2021	Aug2022 Jan2023 May2023	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0052184	PCA0052190	PCA0052182
Sample Date		Client Info		07 Aug 2023	04 Jul 2023	04 May 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	0	4	3
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	1	<1
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	2	2	2
Tin	ppm	ASTM D5185m	>15	<1	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	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		986	1006	871
Calcium	ppm	ASTM D5185m		1172	1137	954
Phosphorus	ppm	ASTM D5185m		1247	1246	976
Zinc	ppm	ASTM D5185m		1435	1478	1132
Sulfur	ppm	ASTM D5185m		3333	4081	2949
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	2	4
Sodium	ppm	ASTM D5185m		0	1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Fuel	%	ASTM D3524	>5	1.6	1.1	1.2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>2	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	4.1	4.0	3.5
	Abs/.1mm	*ASTM D7415	>30	12.9	13.2	11.5
Sulfation						
Sulfation FLUID DEGRAD		method	limit/base	current	history1	history2
		method *ASTM D7414		current 7.2	history1 6.9	history2 6.4
FLUID DEGRAD	DATION					

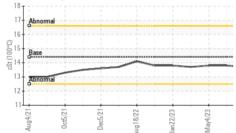


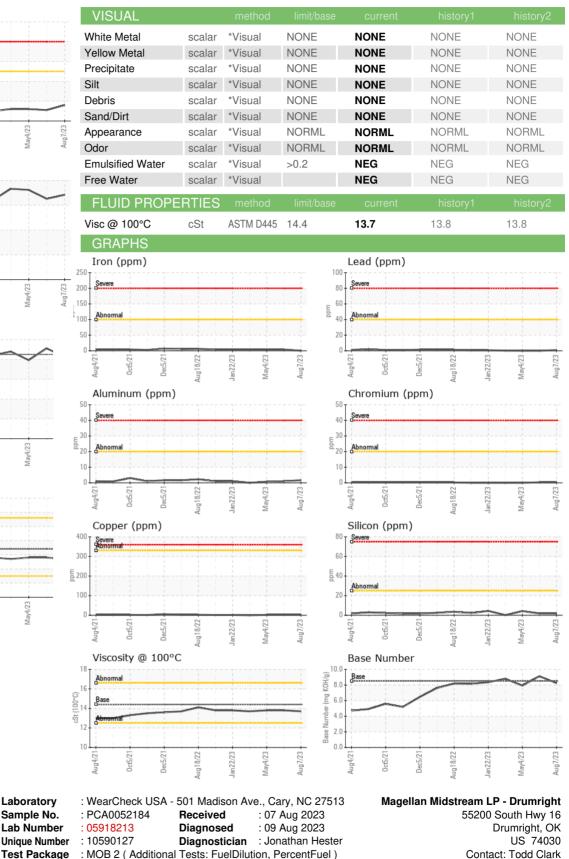
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Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Laboratory

Sample No.

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