

OIL ANALYSIS REPORT

Area INDEPENDENCE Machine for Unit 05 DB200105E

Natural Gas Engine

PETRO CANADA DURON MONOGRADE HD 40W (250 GAL)

DIAGNOSIS

A Recommendation

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

Wear

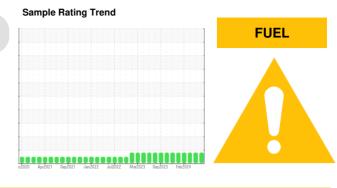
All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

Fluid Condition

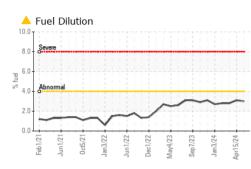
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

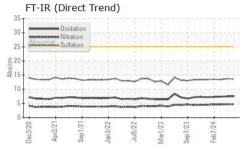


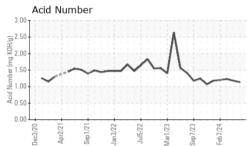
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0097013	PCA0097011	PCA0097015
Sample Date		Client Info		11 Jun 2024	15 Apr 2024	08 Mar 2024
Machine Age	hrs	Client Info		3125	2851	2800
Oil Age	hrs	Client Info		3125	2851	2800
Oil Changed		Client Info		Not Changd	Filtered	Filtered
Sample Status				MARGINAL	MARGINAL	MARGINAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	12	9	8
Chromium	ppm	ASTM D5185m		<1	<1	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		2	2	2
Lead	ppm	ASTM D5185m		2	2	2
Copper	ppm	ASTM D5185m		2	2	2
Tin		ASTM D5185m		2 <1	2	<1
Vanadium	ppm	ASTM D5185m	>4	< 1	<1	0
Cadmium	ppm	ASTM D5185m		-	<1	0
	ppm			<1	-	-
ADDITIVES		method	limit/base		history1	history2
Boron	ppm	ASTM D5185m		6	1	4
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		4	4	4
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		942	888	882
Calcium	ppm	ASTM D5185m		1072	1032	1036
Phosphorus	ppm	ASTM D5185m		1171	1017	1045
Zinc	ppm	ASTM D5185m		1330	1130	1245
Sulfur	ppm	ASTM D5185m		3092	3319	3039
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	6	4	5
Sodium	ppm	ASTM D5185m		3	4	2
Potassium	ppm	ASTM D5185m	>20	1	0	1
Fuel	%	ASTM D3524	>4.0	<mark>▲</mark> 3.0	3 .1	▲ 2.8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	4.7	4.7	4.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	13.6	13.7	13.4
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
FLUID DEGRAL Oxidation	DATION Abs/.1mm	method *ASTM D7414	limit/base	current	history1 7.5	history2 7.4
	Abs/.1mm					
Oxidation		*ASTM D7414		7.5	7.5	7.4

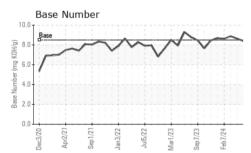


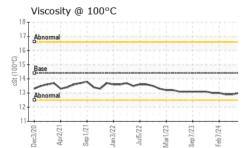
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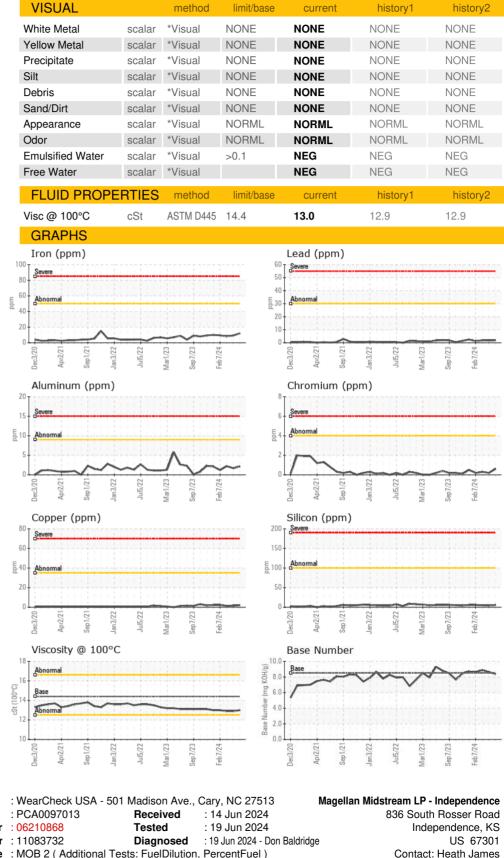


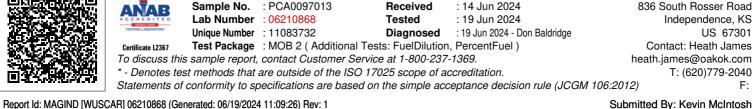






Laboratory





Submitted By: Kevin McIntosh

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