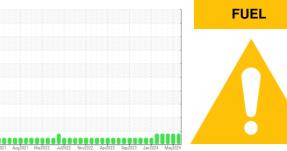


OIL ANALYSIS REPORT

Sample Rating Trend



ALBERT LEA Unit 05 DB010105E

Natural Gas Engine

PETRO CANADA DURON MONOGRADE HD 40W (350 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 136 gallons of lube oil added this month.)

Wear

All component wear rates are normal.

Contamination

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

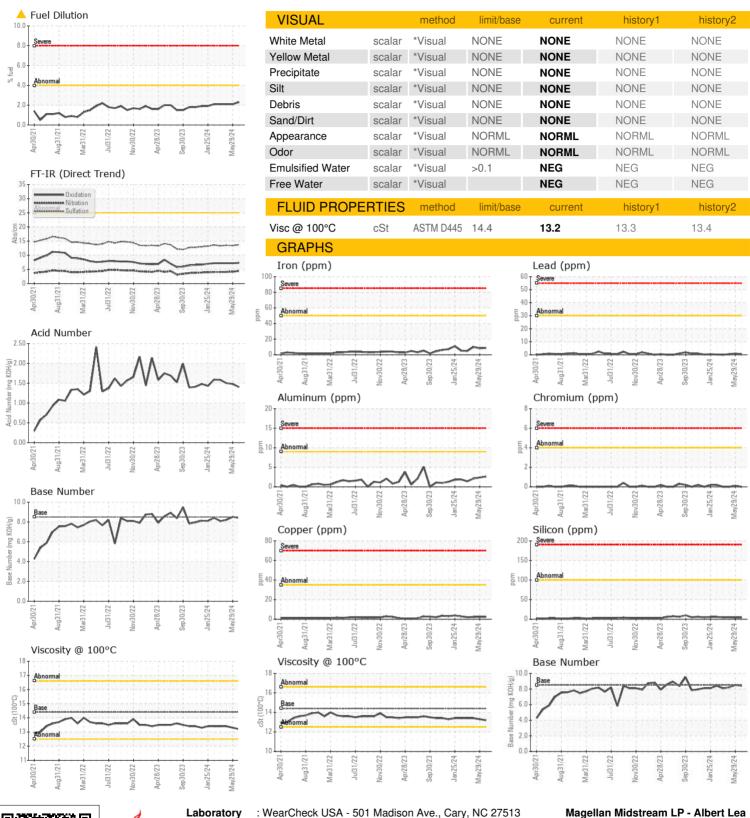
Fluid Condition

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.

) 40W (350 GAL	,					
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0124431	PCA0106497	PCA0106495
Sample Date		Client Info		30 Jun 2024	29 May 2024	29 Apr 2024
Machine Age	hrs	Client Info		3960	3364	3025
Oil Age	hrs	Client Info		3960	3364	3025
Oil Changed		Client Info		Not Changd	Oil Added	Oil Added
Sample Status				MARGINAL	MARGINAL	MARGINAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	9	8	10
Chromium	ppm	ASTM D5185m	>4	0	<1	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	2	2
_ead	ppm	ASTM D5185m	>30	<1	<1	<1
Copper	ppm	ASTM D5185m	>35	2	2	2
Tin	ppm	ASTM D5185m	>4	<1	<1	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		4	1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		901	858	950
Calcium	ppm	ASTM D5185m		1053	989	1089
Phosphorus	ppm	ASTM D5185m		1177	1032	1195
Zinc	ppm	ASTM D5185m		1369	1232	1342
Sulfur	ppm	ASTM D5185m		4559	2904	3672
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	4	5
Sodium	ppm	ASTM D5185m		3	<1	1
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Fuel	%	ASTM D3524	>4.0	<u>^</u> 2.3	<u>^</u> 2.1	▲ 2.1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	4.4	4.2	4.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	13.7	13.4	13.5
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	7.3	7.2	7.2
Oxidation				7.5		
Acid Number (AN)	mg KOH/g	ASTM D8045		1.40	1.48	1.50



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: PCA0124431 Lab Number : 06231871 Unique Number : 11115364

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

: 09 Jul 2024 : 11 Jul 2024 Diagnosed

: 11 Jul 2024 - Don Baldridge

Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Glenville, MN US 56036 Contact: Shawn Duren shawn.duren@magellanlp.com T: (641)231-6666

11406 755th Avenue

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

Submitted By: Jon Coulter