

OIL ANALYSIS REPORT

Area Irvington Machine Id DB060102E

Natural Gas Engine

PETRO CANADA DURON MONOGRADE HD 40W (250 GAL)

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. Resample at the next service interval to monitor. (Customer Sample Comment: Top Up Amount: 7 GAL)

Wear

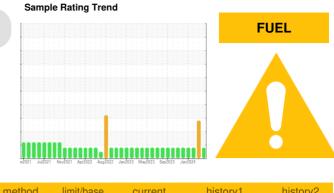
All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The AN level is acceptable for this fluid.



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0105160	PCA0105162	PCA0105154
Sample Date		Client Info		11 Apr 2024	25 Mar 2024	01 Feb 2024
Machine Age	hrs	Client Info		28208	0	27325
Oil Age	hrs	Client Info		19780	0	18897
Oil Changed		Client Info		Oil Added	N/A	Oil Added
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINAT		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	15	16	15
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	1	2
Lead	ppm	ASTM D5185m	>30	15	14	13
Copper	ppm	ASTM D5185m	>35	14	12	13
Tin	ppm	ASTM D5185m	>4	4	93	2
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		14	13	14
Barium	ppm	ASTM D5185m		0	0	5
Molybdenum	ppm	ASTM D5185m		5	5	4
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		878	819	850
Calcium	ppm	ASTM D5185m		1291	1121	1109
Phosphorus	ppm	ASTM D5185m		1047	942	906
Zinc	ppm	ASTM D5185m		1307	1205	1226
Sulfur	ppm	ASTM D5185m		2622	2488	2148
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	7	3	1
Sodium	ppm	ASTM D5185m		5	7	<1
Potassium	ppm	ASTM D5185m	>20	2	2	2
Fuel	%	ASTM D3524	>4.0	5.2	4 .4	4 .1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.9	6.9	6.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.3	17.5	17.1
FLUID DEGRAD		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.5	11.7	11.3
Acid Number (AN)	mg KOH/g	ASTM D7414 ASTM D8045	20	1.24	1.24	1.12
Base Number (BN)	mg KOH/g	ASTM D8045 ASTM D2896	85	7.46	7.80	7.22
Dase MULLIDEL (DIN)	iiiy r.∪⊓/y	10 I WI D2030	0.0	1.40	1.00	1.22



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method

limit/base

current

LIGHT

NONE

NONE

NONE

NONE

NONE

NORML

NORML

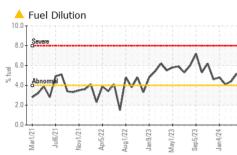
current

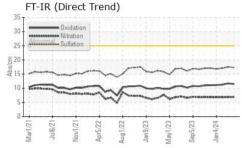
NEG

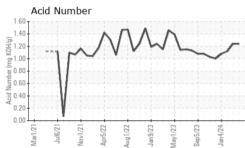
NEG

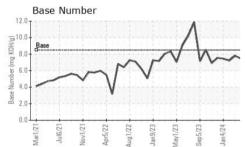
12.7

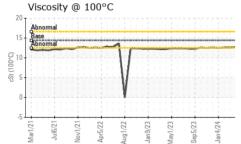
VISUAL

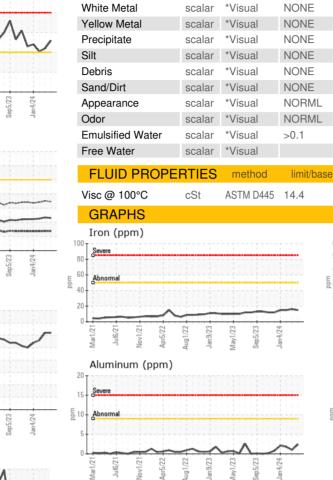


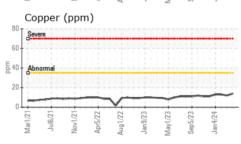


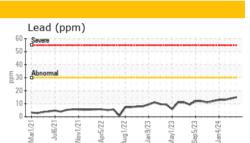












history1

MODER

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NEG

NEG

12.6

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history2

NEG

NEG

12.6



