

OIL ANALYSIS REPORT

Area Irvington Machine Id Unit 03 DB060103E

Component Natural Gas Engine

PETRO CANADA DURON MONOGRADE HD 40W (250 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Top Up Amount: 0 GAL)

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.

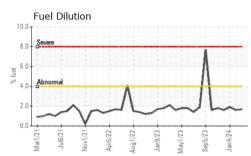


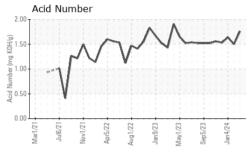
Sample Rating Trend

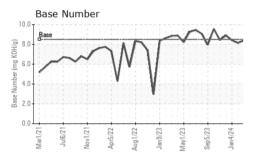
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0105161	PCA0105153	PCA0105164
Sample Date		Client Info		25 Mar 2024	01 Feb 2024	04 Jan 2024
Machine Age	hrs	Client Info		24598	24598	24515
Oil Age	hrs	Client Info		24598	24598	24515
Oil Changed		Client Info		Oil Added	Oil Added	Oil Added
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	5	3	6
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	<1	2	2
Lead	ppm	ASTM D5185m	>30	<1	0	2
Copper	ppm	ASTM D5185m	>35	1	<1	2
Tin	ppm	ASTM D5185m	>4	<1	0	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	<1	1
Barium	ppm	ASTM D5185m		0	5	0
Molybdenum	ppm	ASTM D5185m		1	<1	3
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		907	938	1385
Calcium	ppm	ASTM D5185m		1041	1064	1527
Phosphorus	ppm	ASTM D5185m		1153	1158	1529
Zinc	ppm	ASTM D5185m		1328	1293	1918
Sulfur	ppm	ASTM D5185m		3574	3456	5274
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	13	2	4
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	<1	1	1
Fuel	%	ASTM D3524	>4.0	1.7	1.6	1.9
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	3.9	3.9	3.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	13.3	13.1	13.0
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	6.8	6.9	6.9
Acid Number (AN)	mg KOH/g	ASTM D8045		1.76	1.50	1.64
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.40	8.14	8.41

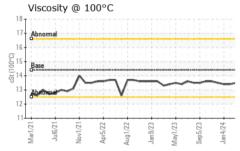


OIL ANALYSIS REPORT









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