

OIL ANALYSIS REPORT

Sample Rating Trend



Fluid PETRO CANADA DURON SHP 10W30 (40 LTR)

DIAGNOSIS

Area KDAC Machine Id

200276 Component Diesel Engine

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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 condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0888918	WC0888917	WC0888925
Sample Date		Client Info		04 Apr 2024	04 Apr 2024	22 Dec 2023
Machine Age	kms	Client Info		129657	129656	100664
Oil Age	kms	Client Info		1	69981	40989
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	3	48	27
Chromium	ppm	ASTM D5185(m)	>20	0	1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	A 26	18
Lead	ppm	ASTM D5185(m)	>40	0	1	2
Copper	ppm	ASTM D5185(m)	>330	2	51	48
Tin	ppm	ASTM D5185(m)	>15	0	0	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	4	3	3
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	55	64	61
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	950	934	973	948
Calcium	ppm	ASTM D5185(m)	1050	986	1177	1154
Phosphorus	ppm	ASTM D5185(m)	995	957	919	979
Zinc	ppm	ASTM D5185(m)		1136	1215	1197
Sulfur	ppm	ASTM D5185(m)	2600	2517	2015	2379
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	6	7
Sodium	ppm	ASTM D5185(m)		<1	3	3
Potassium	ppm	ASTM D5185(m)	>20	2	36	34
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0.9	0.4
Nitration	Abs/cm	ASTM D7624*	>20	4.5	10.0	7.8
					10.0	7.0
Nitration(Diff)	Abs/cm	ASTM E2412*	< 25	0.9	13.6	7.8
Nitration(Diff) Sulfation	Abs/cm Abs/.1mm	ASTM E2412* ASTM D7415*	< 25 >30	0.9 17.9	22.8	19.7
, ,		ASTM D7415*			22.8 7.9	

Report Id: WFRBUR [WCAMIS] 02627188 (Generated: 04/09/2024 09:48:51) Rev: 1



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