

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id PETERBILT 155-28 Component

Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (11 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

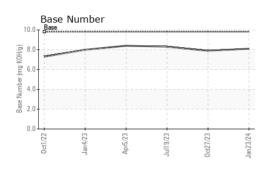
Fluid Condition

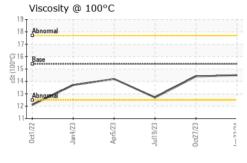
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

JAL)		Oct2022	Jan2023 Apr2023	3 Jul2023 Oct2023	Jan2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0089563	PCA0106849	PCA0082146
Sample Date		Client Info		23 Jan 2024	27 Oct 2023	19 Jul 2023
Machine Age	mls	Client Info		65774	55000	43577
Oil Age	mls	Client Info		10000	10000	10000
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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 METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	13	20	82
Chromium	ppm	ASTM D5185m	>20	<1	<1	2
Nickel	ppm	ASTM D5185m	>4	0	<1	8
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	9	<1
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	1	2	11
Tin	ppm	ASTM D5185m	>15	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	1	0	25
Barium	ppm	ASTM D5185m	0	2	<1	0
Molybdenum	ppm	ASTM D5185m	60	60	67	90
Manganese	ppm	ASTM D5185m	0	0	<1	2
Magnesium	ppm	ASTM D5185m	1010	955	1057	1031
Calcium	ppm	ASTM D5185m	1070	1005	1116	1229
Phosphorus	ppm	ASTM D5185m	1150	943	1127	1018
Zinc	ppm	ASTM D5185m	1270	1231	1370	1229
Sulfur	ppm	ASTM D5185m	2060	2765	3734	3485
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	8	6
Sodium	ppm	ASTM D5185m		<1	3	4
Potassium	ppm	ASTM D5185m	>20	12	25	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	9.4	10.2	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	20.4	19.8
FLUID DEGRA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.5	17.7	15.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.1	7.9	8.3



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

Certificate L2367

Laboratory

Sample No.