

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 390484

Component Diesel Engine Fluid

PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

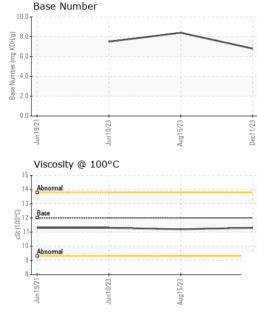
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

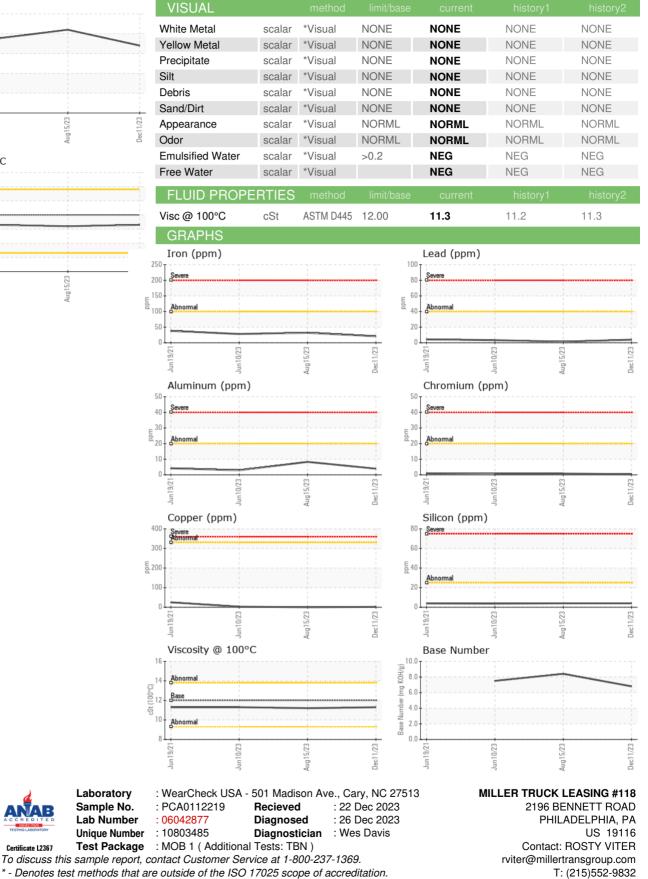
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•		Jun202		Aug2023 De	x2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0112219	PCA0102899	PCA0095799
Sample Date		Client Info		11 Dec 2023	15 Aug 2023	10 Jun 2023
Machine Age	mls	Client Info		0	206767	189346
Oil Age	mls	Client Info		16065	206767	189346
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
⁻ uel		WC Method	>5	<1.0	<1.0	<1.0
Vater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	21	32	28
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		2	3	6
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	8	3
ead	ppm	ASTM D5185m	>40	4	1	3
Copper	ppm	ASTM D5185m	>330	2	0	3
Fin	ppm	ASTM D5185m	>15	<1	0	<1
Antimony	ppm	ASTM D5185m				
/anadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	4	7	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	59	80	59
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	950	957	1253	906
Calcium	ppm	ASTM D5185m	1050	1194	1583	1208
Phosphorus	ppm	ASTM D5185m	995	1078	1372	1023
Zinc	ppm	ASTM D5185m	1180	1307	1825	1263
Sulfur	ppm	ASTM D5185m	2600	3109	5303	3376
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	4
Sodium	ppm	ASTM D5185m		8	3	5
Potassium	ppm	ASTM D5185m	>20	0	0	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.6	1.4	1.4
Nitration	Abs/cm	*ASTM D7624	>20	13.1	12.3	13.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.3	22.9	25.2
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.6	20.3	23.0
Base Number (BN)	mg KOH/g	ASTM D2896		6.8	8.4	7.5
51:51) Rev: 1	Contact/Location: ROSTY VITER - MILPHINE					

Contact/Location: ROSTY VITER - MILPHINE



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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.

Lab Number

F: (215)552-9892