

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FREIGHTLINER 511973

Diesel Engine Fluid PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

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

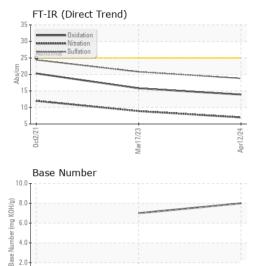
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

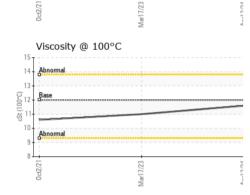
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0121724	PCA0093179	PCA0058696
Sample Date		Client Info		12 Apr 2024	17 Mar 2023	02 Oct 2021
Machine Age	mls	Client Info		99114	86204	52321
Oil Age	mls	Client Info		0	0	52000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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	>65	30	38	63
Chromium	ppm	ASTM D5185m	>5	3	5	9
Nickel	ppm	ASTM D5185m	>3	<1	0	<1
Titanium	ppm	ASTM D5185m	>5	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>35	16	33	86
Lead	ppm	ASTM D5185m	>10	<1	0	7
Copper	ppm	ASTM D5185m	>180	24	64	669
Tin	ppm	ASTM D5185m	>8	2	2	6
Antimony	ppm	ASTM D5185m	>35			0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	17	4	15
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	50	64	53	8
Manganese	ppm	ASTM D5185m	0	1	2	5
Magnesium	ppm	ASTM D5185m	950	853	890	793
Calcium	ppm	ASTM D5185m	1050	1133	1194	1364
Phosphorus	ppm	ASTM D5185m	995	968	821	759
Zinc	ppm	ASTM D5185m	1180	1187	1125	869
Sulfur	ppm	ASTM D5185m	2600	3030	2461	2494
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	4	6
Sodium	ppm	ASTM D5185m		2	3	8
Potassium	ppm	ASTM D5185m	>20	32	68	206
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.7	1
Nitration	Abs/cm	*ASTM D7624		7.0	8.9	12
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8	20.8	24.4
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	15.8	20.3
Base Number (BN)	mg KOH/g	ASTM D2896		8.0	7.0	
1:28:25) Rev: 1	Contact/Location: MIKE BOYER - MILPEN					

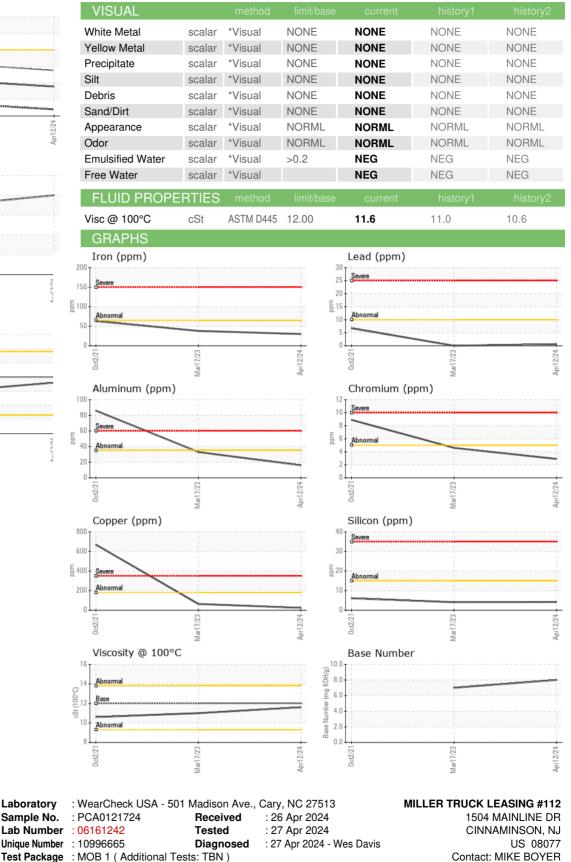
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

Report Id: MILPEN [WUSCAR] 06161242 (Generated: 04/27/2024 04:28:25) Rev: 1

Certificate 12367

Laboratory

Sample No.

Contact/Location: MIKE BOYER - MILPEN

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