

OIL ANALYSIS REPORT

Sample Rating Trend





Component

Diesel Engine

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.

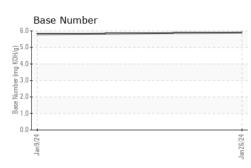
Fluid Condition

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

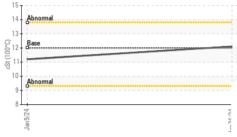
,,, ·=)			Jan2024	Jan2024																
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2														
Sample Number		Client Info		PCA0105591	PCA0105603															
Sample Date		Client Info		26 Jan 2024	09 Jan 2024															
Machine Age	mls	Client Info		98543	0															
Oil Age	mls	Client Info		0	0															
Oil Changed		Client Info		N/A	N/A															
Sample Status				NORMAL	NORMAL															
CONTAMINAT	ION	method	limit/base	current	history1	history2														
Fuel		WC Method	>5	<1.0	<1.0															
Water		WC Method	>0.2	NEG	NEG															
Glycol		WC Method		NEG	NEG															
WEAR METAL	S	method	limit/base	current	history1	history2														
Iron	ppm	ASTM D5185m	>100	23	68															
Chromium	ppm	ASTM D5185m	>20	1	4															
Nickel	ppm	ASTM D5185m	>4	<1	<1															
Titanium	ppm	ASTM D5185m		2	<1															
Silver	ppm	ASTM D5185m	>3	0	0															
Aluminum	ppm	ASTM D5185m	>20	7	35															
Lead	ppm	ASTM D5185m	>40	<1	<1															
Copper	ppm		>330	41	53															
Tin	ppm		>15	2	1															
Vanadium	ppm	ASTM D5185m		0	0															
Cadmium	ppm	ASTM D5185m		0	0															
ADDITIVES	ppm	ASTM D5185m method	limit/base	0 current	0 history1	 history2														
		method	limit/base	current	history1															
ADDITIVES	ppm	method																		
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185m	2	current 19	history1 8	history2														
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ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	2 0 50	current 19 0 83	history1 8 0 64	history2 														
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	2 0 50 0	current 19 0 83 <1	history1 8 0 64 2	history2 														
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ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	2 0 50 0 950 1050	Current 19 0 83 <1 199 1917	history1 8 0 64 2 871 1152	history2 														
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ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	2 0 50 0 950 1050 995 1180	Current 19 0 83 <1 199 1917 963 1150	history1 8 0 64 2 871 1152 956 1182	history2														
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ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	2 0 50 950 1050 995 1180 2600	current 19 0 83 <1 199 1917 963 1150 2965 current 7	history1 8 0 64 2 871 1152 956 1182 2281 history1 8	history2 history2														
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ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	2 0 50 950 1050 995 1180 2600 limit/base >25	19 0 83 <1 199 1917 963 1150 2965 current 7 2 16	history1 8 0 64 2 871 1152 956 1182 2281 history1 8 3 88	history2 history2 history2														
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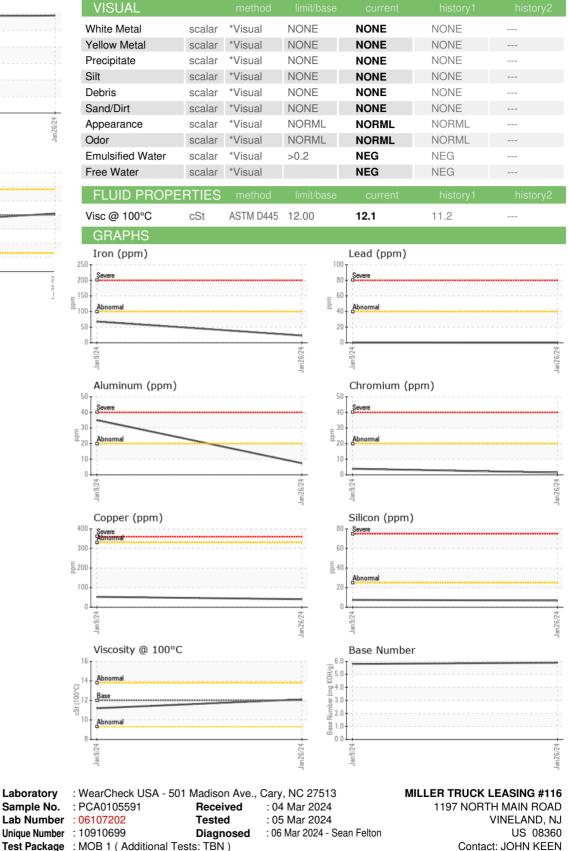


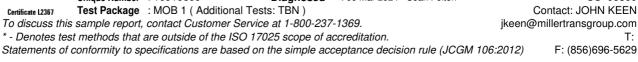
OIL ANALYSIS REPORT



Viscosity @ 100°C







Laboratory

Sample No.

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