

(2725868) Dairy Farms of America-Tractor [Dairy Farms of America-Tractor] 268A23312

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

The lead level is abnormal. All other 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.

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GAL)				Feb2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0103933		
Sample Date		Client Info		16 Feb 2024		
Machine Age	mls	Client Info		457031		
Oil Age	mls	Client Info		40000		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>2.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	43		
Chromium	ppm	ASTM D5185m	>20	3		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	4		
Lead	ppm	ASTM D5185m	>40	A 84		
Copper	ppm	ASTM D5185m	>330	23		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		- <1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	47		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	116		
Manganese	ppm	ASTM D5185m	0	1		
Magnesium	ppm	ASTM D5185m	950	987		
Calcium	ppm	ASTM D5185m	1050	1803		
Phosphorus	ppm	ASTM D5185m	995	1203		
Zinc	ppm	ASTM D5185m	1180	1448		
Sulfur	ppm	ASTM D5185m	2600	3108		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8		
Nitration	Abs/cm	*ASTM D7624	>20	13.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.4		
FLUID DEGRA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	29.5		
Base Number (BN)		ASTM D2896	-	6.2		
		DECOU				

Sample Rating Trend

WEAR



100

80

60

21

6.0 (B/H03) 5.0

≣ 4.0

ла 3.0

2.0 Ace

1.0

0.0

16 15

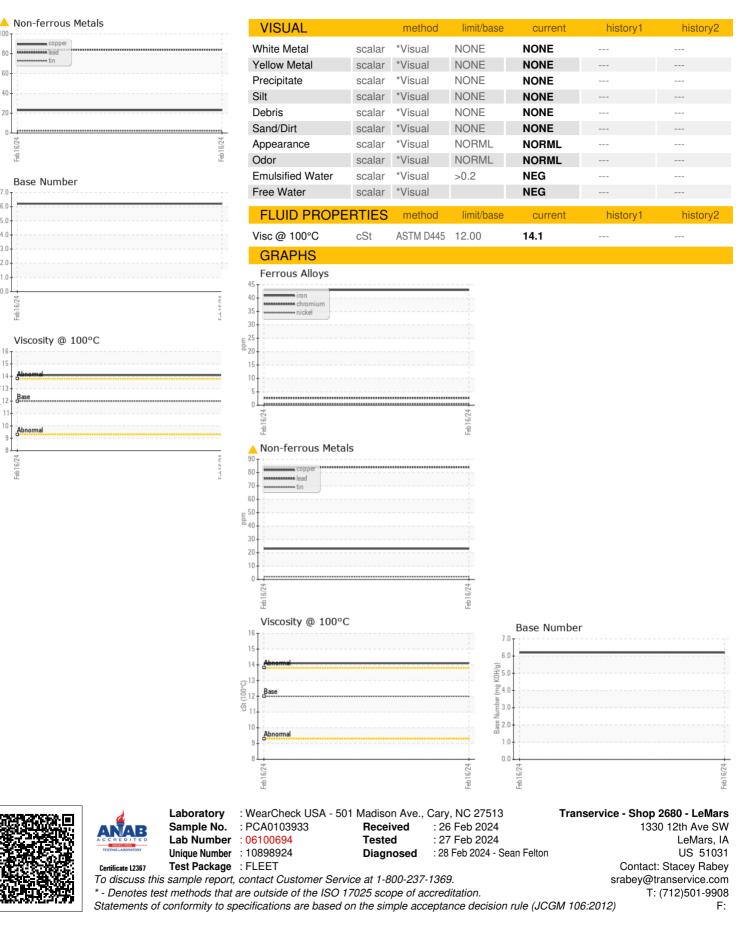
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(100°C) 12 11 cs

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OIL ANALYSIS REPORT



Contact/Location: Stacey Rabey - TSV2680