

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id NEWFLYER 2340

Diesel Engine

DIESEL ENGINE OIL SAE 40 (28 QTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.	Sample Number		Client Info		LP0001875		
	Sample Date		Client Info		08 Jul 2024		
	Machine Age	mls	Client Info		72235		
	Oil Age	mls	Client Info		72235		
	Filter Age	mls	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
WEAR Metal levels are typical for a components first oil change.	Iron	ppm	ASTM D5185m	>75	7		
	Chromium	ppm	ASTM D5185m	>5	<1		
	Nickel	ppm	ASTM D5185m	>4	0		
	Titanium	ppm	ASTM D5185m	>2	<1		
	Silver	ppm	ASTM D5185m	>2	<1		
	Aluminum	ppm	ASTM D5185m	>15	3		
	Lead	ppm	ASTM D5185m	>25	0		
	Copper	ppm	ASTM D5185m	>100	<1		
	Tin	ppm	ASTM D5185m	>4	<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		3		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>6	0.2		
	Nitration	Abs/cm	*ASTM D7624	>20	8.3		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>216	1		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		14		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m	100	28		
	Manganese	ppm	ASTM D5185m	450	0		
	Magnesium	ppm	ASTM D5185m		28		
	Calcium	ppm	ASTM D5185m		2270		
	Phosphorus	ppm	ASTM D5185m		873		
	Zinc	ppm	ASTM D5185m		1097		
	Sulfur	ppm	ASTM D5185m	4250	3263		

Oxidation

Visc @ 100°C cSt

Abs/.1mm *ASTM D7414 >25

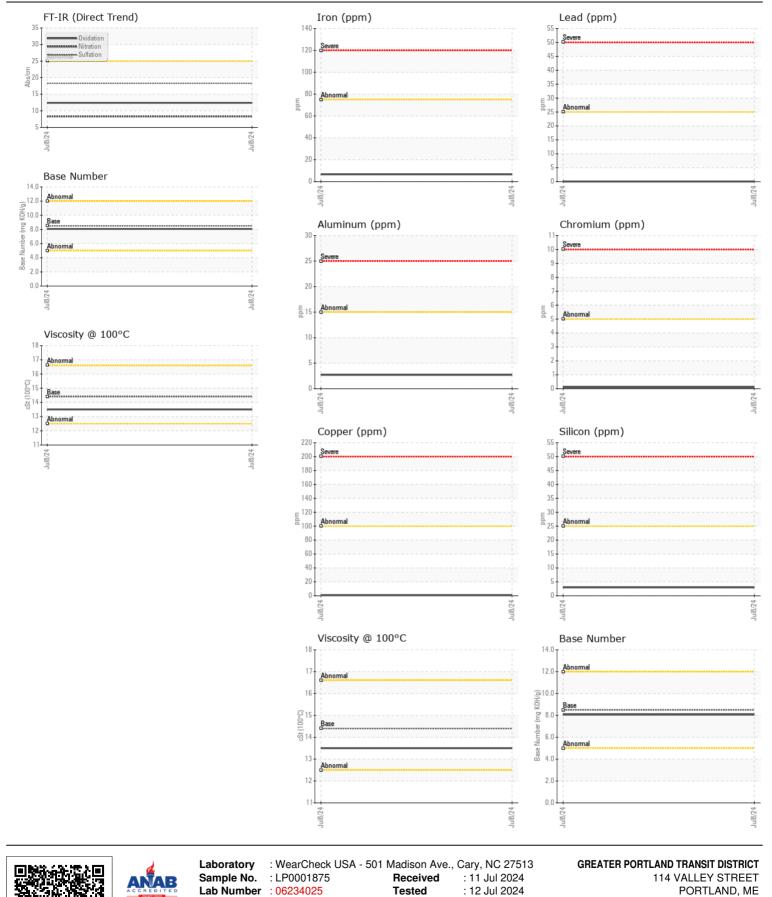
ASTM D445 14.4

Base Number (BN) mg KOH/g ASTM D2896 8.5

12.4

8.07

13.5



Lab Number : 06234025 Tested : 12 Jul 2024 Unique Number : 11122859 : 12 Jul 2024 - Wes Davis US 04102-3039 Diagnosed Test Package : MOB 2 Contact: JOHN JACQUES Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jjacques@gpmetro.org * - 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)

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