OIL ANALYSIS REPORT

WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL **NORMAL**

Machine Id 80

Component
Diesel Engine
Fluid

TRC MOLY XL PRO-SPEC IV XP 15W40 (7 GAL	-)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06028849		
	Sample Date		Client Info		28 Nov 2023		
	Machine Age	mls	Client Info		15746		
	Oil Age	mls	Client Info		250		
	Filter Age	mls	Client Info		250		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
A/E A D			AOTA DE LOS				
WEAR	Iron	ppm	ASTM D5185m		19		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m	>15	0		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		6		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		4		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844		0.7		
	Nitration	Abs/cm	*ASTM D7624		9.5		
	Sulfation	Abs/.1mm	*ASTM D7415		20.5		
	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		7		
The PN recult indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		39		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		65		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		93		
	Calcium	ppm	ASTM D5185m		1904		
	Phosphorus	ppm	ASTM D5185m		944		
	Zinc	ppm	ASTM D5185m		1129		
	Sulfur	ppm	ASTM D5185m		3181		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6		
	Base Number (BN)	mg KOH/g	ASTM D2896		9.52		
	Visc @ 100°C	cSt	ASTM D445		12.9		





Certificate L2367

Laboratory Sample No.

Lab Number : 06028849 Unique Number : 10778640 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : TR06028849 : 07 Dec 2023 **Tested**

: 11 Dec 2023 Diagnosed : 11 Dec 2023 - Don Baldridge

LEROUX FUELS 994 MILITARY TPK SUITE 101 PLATTSBURGH, NY US 12901

Contact: DAVID STARK

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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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