

WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION ABNORMAL

OIL ANALYSIS REPORT

Machine Id **PETERBILT 14** Component **Diesel Engine** Fluid **TRC MOLY PRO-SPEC IV XP 15W40 (12 GAL)**

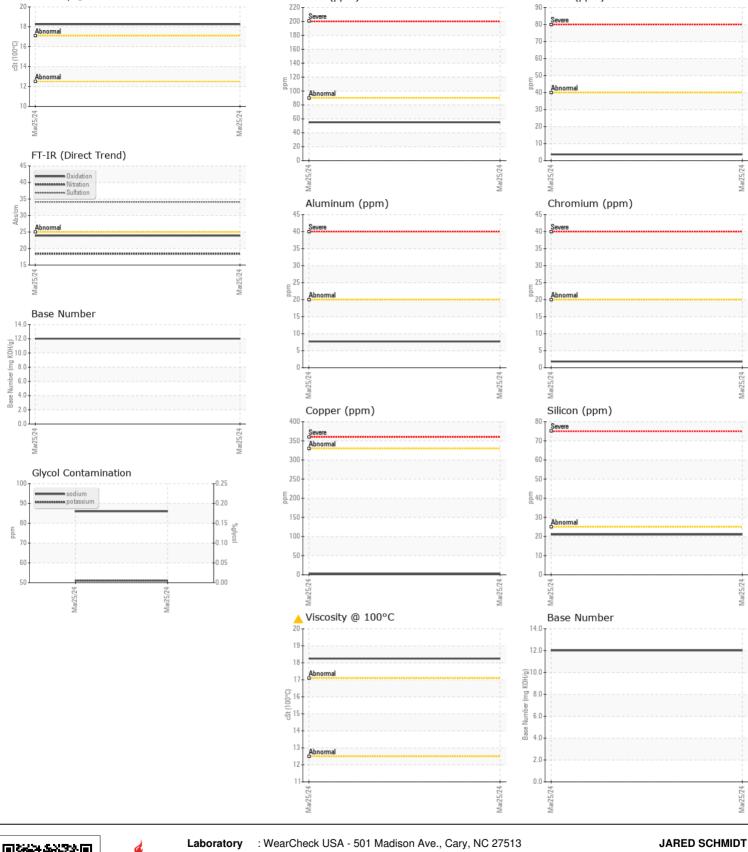
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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		TR06193032		
	Sample Date		Client Info		25 Mar 2024		
	Machine Age	mls	Client Info		448169		
	Oil Age	mls	Client Info		25000		
	Filter Age	mls	Client Info		15000		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
WEAR All component wear rates are normal.	lran		ASTM D5185m	. 00			
	Iron Chromium	ppm	ASTM D5185m		55 2		
	Nickel	ppm	ASTM D5185m		2 <1		
	Titanium	ppm	ASTM D5185m				
	Silver	ppm			<1 1		
	Aluminum	ppm	ASTM D5185m ASTM D5185m				
		ppm	ASTM D5185m		8		
	Lead	ppm			4 3		
	Copper Tin	ppm	ASTM D5185m ASTM D5185m				
		ppm	ASTM D5185m	>10	<1		
	Vanadium White Metal	ppm	*Visual	NONE	<1 NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	reliuw wielai	scalar	VISUAI	INOINE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	21		
Sodium and/or potassium levels are high. Test for glycol is negative.	Potassium	ppm	ASTM D5185m	>20	<b>6</b> 51		
	Fuel		WC Method	>3.0	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol	%	*ASTM D2982		NEG		
	Soot %	%	*ASTM D7844	>6	0.5		
	Nitration	Abs/cm	*ASTM D7624	>20	18.4		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	34.1		
	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 The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.	Conditioner				A 00		
	Sodium	ppm	ASTM D5185m		A 86		
	Boron	ppm	ASTM D5185m		4		
	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m		160		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m		93 4605		
	Calcium	ppm	ASTM D5185m		4695		
	Phosphorus	ppm	ASTM D5185m		1035		
	Zinc	ppm	ASTM D5185m		1229		
	Sulfur	ppm	ASTM D5185m	. 05	4908		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	23.9		
	Base Number (BN)	mg KOH/g	ASTM D2896		12.02		

Visc @ 100°C cSt

ASTM D445

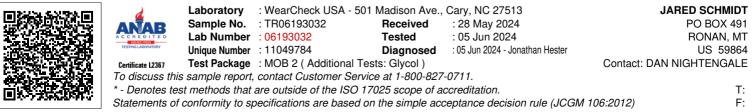
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**18.25** 



Iron (ppm)

Lead (ppm)



🔺 Viscosity @ 100°C

Contact/Location: DAN NIGHTENGALE - JARRON Page 2 of 2