

Machine Id NO INFO ON SIF/BOTTLE

Diesel Engine

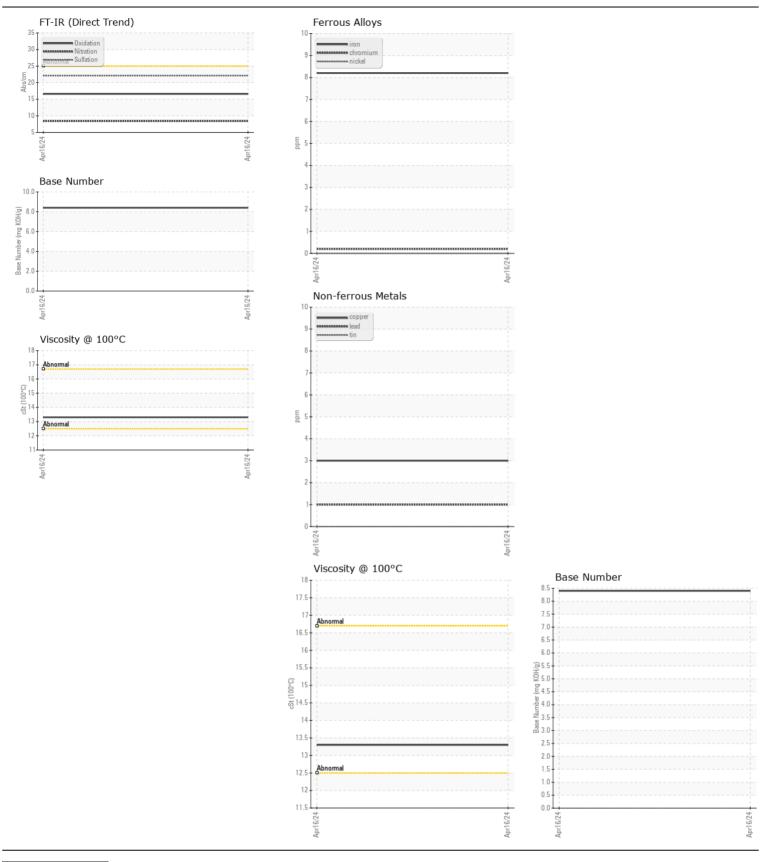
{not provided} (--- GAL)

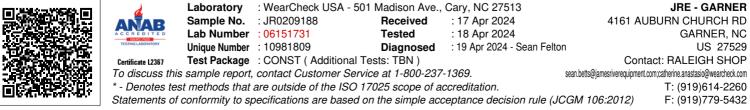
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0209188		
	Sample Date		Client Info		16 Apr 2024		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	8		
	Chromium	ppm	ASTM D5185m	>20	<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m		5		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		3		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	7		
CONTAMINATION	Potassium	ppm	ASTM D5185m		2		
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method		- <1.0		
	Water		WC Method		NEG		
	Glycol		WC Method	20.L	NEG		
	Soot %	%	*ASTM D7844	>3	0.3		
	Nitration	Abs/cm	*ASTM D7624		8.4		
	Sulfation	Abs/.1mm	*ASTM D7415		22.1		
	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		*Visual	>0.2	NEG		
FLUID CONDITION	Sodium		ACTM DE105m		.1		
PLOID CONDITION	Sodium Boron	ppm	ASTM D5185m		<1 211		
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.		ppm	ASTM D5185m				
	Barium	ppm	ASTM D5185m ASTM D5185m		0 256		
	Molybdenum	ppm	ASTM D5185m ASTM D5185m				
	Manganese Magnesium	ppm	ASTM D5185m		0 810		
	Calcium	ppm	ASTM D5185m ASTM D5185m		1501		
		ppm					
	Phosphorus	ppm	ASTM D5185m ASTM D5185m		989		
	Zinc	ppm			1128		
	Sulfur	ppm	ASTM D5185m	. 05	3085		
	Oxidation	Abs/.1mm	*ASTM D7414	>20	16.6		
	Base Number (BN)	nių kutig	ASTM D2896		8.4		

Visc @ 100°C cSt

ASTM D445

13.3





Contact/Location: RALEIGH SHOP - RWMGAR Page 2 of 2