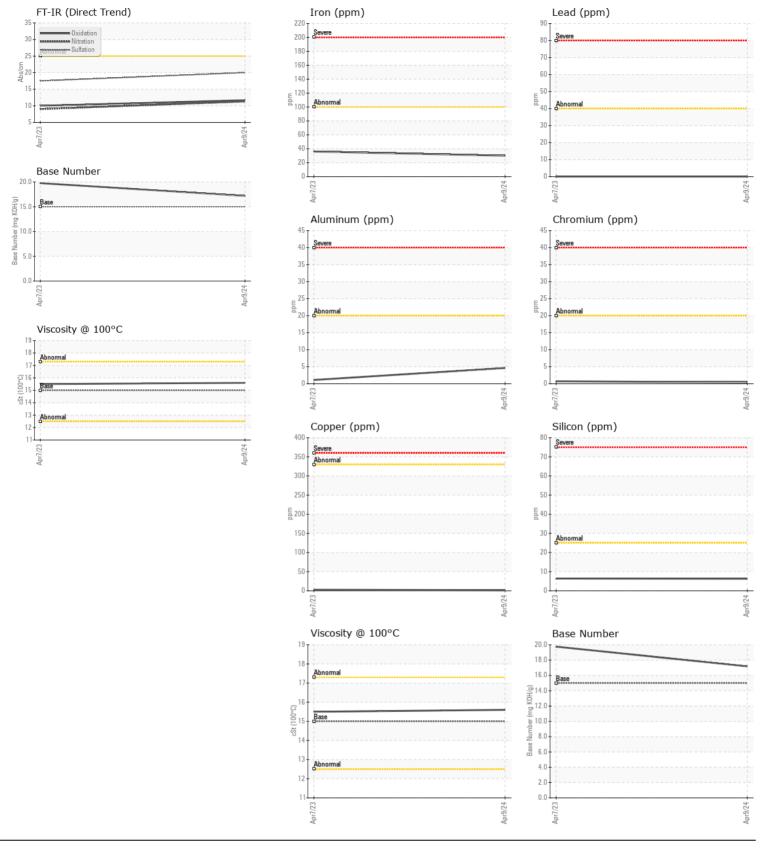


OIL ANALYSIS REPORT

Machine Id 2009 (S/N I290254) Right Diesel Engine TRC MOLY XL PRO-SPEC IV HD SYN 5W40 (1 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number	0.0101	Client Info		TR06151312	TR05823479	
	Sample Date		Client Info		09 Apr 2024	07 Apr 2023	
	Machine Age	hrs	Client Info		2218	1968	
	Oil Age	hrs	Client Info		532	282	
	Filter Age	hrs	Client Info		532	282	
	Oil Changed		Client Info		Not Changd	Changed	
	Filter Changed		Client Info		Not Changd	Changed	
	Sample Status				NORMAL	NORMAL	
	·····						
WEAR	Iron	ppm	ASTM D5185m	>100	30	36	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	<1	
	Nickel	ppm	ASTM D5185m	>4	<1	<1	
	Titanium	ppm	ASTM D5185m		0	<1	
	Silver	ppm	ASTM D5185m	>3	0	0	
	Aluminum	ppm	ASTM D5185m	>20	5	1	
	Lead	ppm	ASTM D5185m	>40	0	0	
	Copper	ppm	ASTM D5185m		2	3	
	Tin	ppm	ASTM D5185m	>15	0	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Ciliana			05	<u>^</u>	0	
CONTAMINATION	Silicon	ppm	ASTM D5185m		6	6	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		3	3	
	Fuel		WC Method		<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol	0/	WC Method	. 0	NEG	NEG	
	Soot % Nitration	%	*ASTM D7844 *ASTM D7624		0.7	0.4	
		Abs/cm	*ASTM D7624	>20	11.3	9.0	
	Sulfation Silt	Abs/.1mm			20.0 NONE	17.5 NONE	
	Debris	scalar	*Visual *Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE NONE	NONE	NONE	
		scalar scalar	*Visual	NORML	NORML	NORML	
	Appearance Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water			>0.2	NEG	NEG	
		scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	1	
	Boron	ppm	ASTM D5185m		5	9	
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	0	
	Molybdenum	ppm	ASTM D5185m		168	145	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m		19	19	
	Calcium	ppm	ASTM D5185m	4500	5507	5086	
	Phosphorus	ppm	ASTM D5185m		1202	926	
	Zinc	ppm	ASTM D5185m	1200	1337	1116	
	Sulfur	ppm	ASTM D5185m		5181	4676	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	11.7	10.0	
	Base Number (BN)	mg KOH/g			17.18	19.76	



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 HARRIS ENERGY INC Sample No. Received 456 WEST MAIN ST : TR06151312 : 16 Apr 2024 Lab Number : 06151312 : 18 Apr 2024 Tested LITTLETON, NH Diagnosed Unique Number : 10981390 : 18 Apr 2024 - Wes Davis US 03561 Test Package : MOB 2 Contact: DON PERCY Certificate L2367 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. T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: DON PERCY - HARLIT Page 2 of 2

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