

OIL ANALYSIS REPORT

Machine Id VERSATILE 895 BIG CAM I Component Diesel Engine

TRC MOLY XL PRO-SPEC IV HD SYN 5W40 (--- QTS)

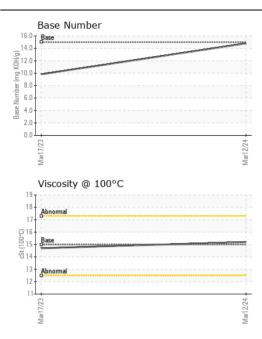
	Q13)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06121751	TR05800446	
	Sample Date		Client Info		12 Mar 2024	17 Mar 2023	
	Machine Age	hrs	Client Info		3922	3848	
	Oil Age	hrs	Client Info		100	230	
	Filter Age	hrs	Client Info		100	230	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron		ASTM D5185m	>100	5	8	
WEAN	Chromium	ppm	ASTM D5185m		5 <1	1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	
	Titanium	ppm	ASTM D5185m	>4	<1	0	
	Silver	ppm		. 0			
		ppm	ASTM D5185m		<1	0	
	Aluminum Lead	ppm	ASTM D5185m		3	3	
		ppm	ASTM D5185m		1	8	
	Copper Tin	ppm	ASTM D5185m ASTM D5185m		<1		
		ppm	ASTM D5185m	>10	<1 0	0	
	Vanadium White Metal	ppm			-	NONE	
		scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	8	8	
	Potassium	ppm	ASTM D5185m	>20	2	2	
There is no indication of any contamination in the oil.	Fuel		WC Method		<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.1	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	8.9	10.8	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	17.6	21.2	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Cadium				•	4	
	Sodium	ppm	ASTM D5185m		2	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		5	62	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		126	83	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m	4500	13	16	
	Calcium	ppm	ASTM D5185m	4500	3753	2584	
	Phosphorus	ppm	ASTM D5185m	1000	832	969	
	Zinc	ppm	ASTM D5185m	1200	974	1169	
	Sulfur	ppm	ASTM D5185m		3945	4597	
	Oxidation	Abs/.1mm	*ASTM D7414		11.3	18.3	
	Base Number (BN)	mg KOH/g	ASTM D2896	15	14.79	9.83	

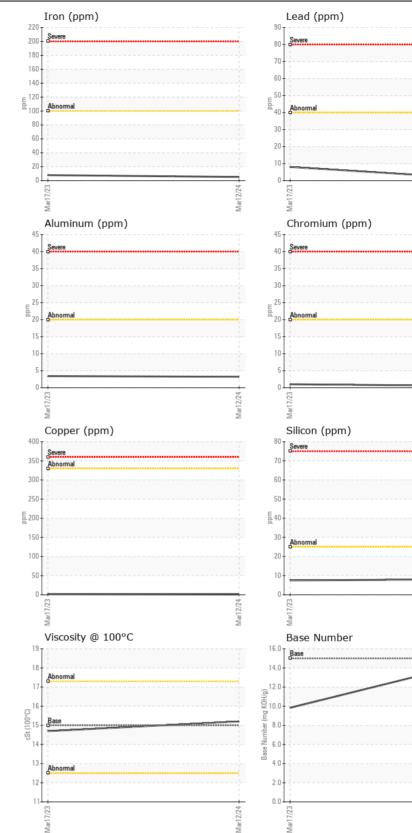
Visc @ 100°C cSt

ASTM D445 15

14.7

15.2





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 MAC FARMS JV Sample No. Received S 35708 WELLS RD : TR06121751 : 18 Mar 2024 CHENEY, WA Lab Number : 06121751 : 19 Mar 2024 Tested Unique Number : 10930584 : 19 Mar 2024 - Wes Davis US 99004 Diagnosed Test Package : MOB 2 Contact: RONALD GROGAN 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) F:

Contact/Location: RONALD GROGAN - MACCHETR

Mar12/24