WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

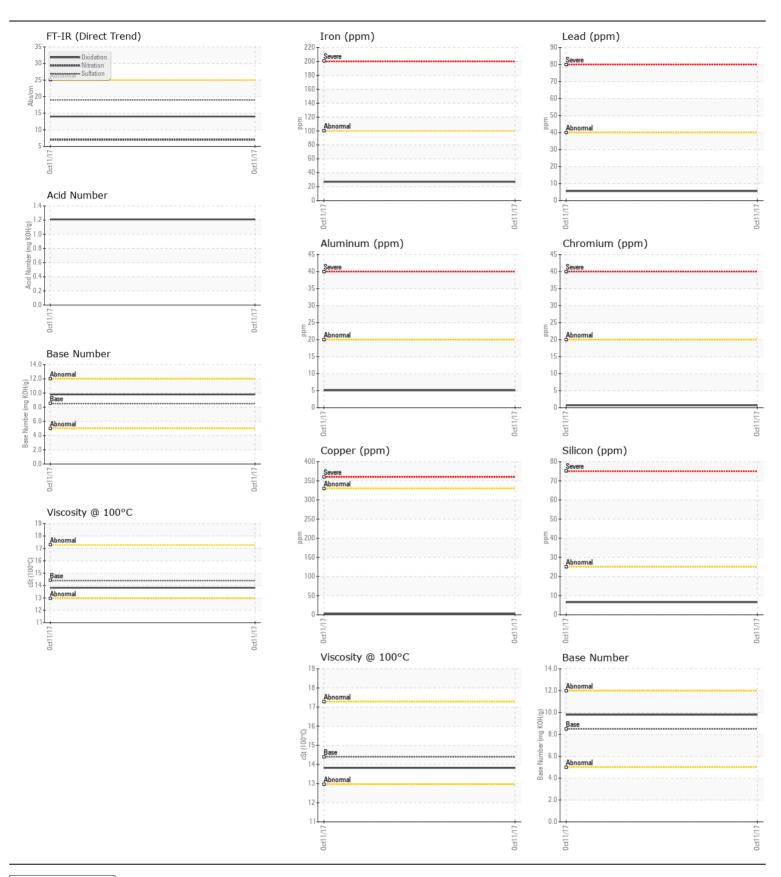
Machine Id

WESTERN STAR 7

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (40 QTS)

DECOMMENDATION	T1	LIOM	Madaad	Linet/Alex	(0	I Bakamud	l links in iO
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WCM2282971		
	Sample Date		Client Info		11 Oct 2017		
	Machine Age	hrs	Client Info		207000		
	Oil Age	hrs	Client Info		10000		
	Filter Age	hrs	Client Info		10000		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAD				400			
WEAR	Iron	ppm	ASTM D5185m		27		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m	>20	5		
	Lead	ppm	ASTM D5185m	>40	6		
	Copper	ppm	ASTM D5185m	>330	3		
	Tin	ppm	ASTM D5185m	>15	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		7		
There is no indication of any contamination in the component.	Potassium	ppm	ASTM D5185m	>20	5		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.4		
	Nitration	Abs/cm	*ASTM D7624		7.		
	Sulfation	Abs/.1mm	*ASTM D7415		19.		
	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 BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m		13		
	Boron	ppm	ASTM D5185m	250	4		
	Barium	ppm	ASTM D5185m	10	0		
	Molybdenum	ppm	ASTM D5185m	100	178		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m	450	129		
	Calcium	ppm	ASTM D5185m	3000	2737		
	Phosphorus	ppm	ASTM D5185m	1150	986		
	Zinc	ppm	ASTM D5185m	1350	1033		
	Sulfur	ppm	ASTM D5185m	4250	1543		
	Oxidation	Abs/.1mm	*ASTM D7414		14.		
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.210		
	Base Number (BN)		ASTM D2896	8.5	9.80		
	Visc @ 100°C	0 0	ASTM D445	14.4	13.82		





Report Id: MARMYE [WUSCAR] 04327188 (Generated: 07/08/2024 15:07:17) Rev: 1

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: WCM2282971 : 04327188 Unique Number : 7965749

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Received **Tested** Test Package : MOB 2 (Additional Tests: TAN Man)

: 18 Oct 2017 Diagnosed

: 19 Oct 2017 - Don Baldridge

: 17 Oct 2017

US 17067 Contact: MARLIN M. NOLT info@septicsolutionspa.com

T: (717)933-5741 F: (717)933-9754 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

MARLIN M. NOLT

MYERSTOWN, PA

431 E. ROSEBUD RD.