

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL



Machine Id
MACK FL-26
Component
Diesel Engine

GIBRALTAR 15W/40 SUPER S-3 LX (--- GAL)

Test	GIDNALIAN 15W/40 SUPEN 5-3							
Resample at the next service interval to monitor. Sample Number Client Info Count Info Quality 2024 Sample Date Machine Age hrs Client Info Quality 2024 Sample Date Machine Age hrs Client Info Quality 2024 Sample Status Client Info Quality 2024 Sample Status Client Info Changed Sample Status NoRMAL NORMAL NORMAL Sample Status NoRMAL NORMAL NORMAL Sample Status NoRMAL NORMAL Sample Status NoRMAL NORMAL Sample Status NoRMAL NOR	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age Machine Machine Machine Age Machine Machine Machine Age Machine Machin		Sample Number		Client Info		WC0875551		
Oil Age hrs Client Info O	Resample at the next service interval to monitor.	Sample Date		Client Info		20 Mar 2024		
Filter Age hrs Client Info Changed Changed Client Info Changed Changed Client Info Changed Changed Client Info Changed Cli		Machine Age	hrs	Client Info		23290		
Oil Changed Filter Fi		Oil Age	hrs	Client Info		0		
Filter Changed Sample Status		•	hrs	Client Info		0		
Normal N		Oil Changed		Client Info				
Iron				Client Info		Changed		
Metal levels are typical for a new component breaking in. Chromium ppm ASTM D5185m >20 <1		Sample Status				NORMAL		
Metal levels are typical for a new component breaking in. Chromium ppm ASTM D5185m >20 <1	WEAD	Iron	nnm	ΔSTM D5185m	<120	0		
Nickel ppm ASTM D5185m 2 <1								
Titanium ppm ASTM D5185m >2 <1 Silver ppm ASTM D5185m >2 <1 Aluminum ppm ASTM D5185m >2 <1 Aluminum ppm ASTM D5185m >2 <1 ASTM D5185m >2 <1 ASTM D5185m >2 <1 ASTM D5185m >2 <1 ASTM D5185m >2 <1 ASTM D5185m >3 <1 ASTM D5185m >3 <1 ASTM D5185m >3 <1 ASTM D5185m >1 ASTM D5185m >1 ASTM D5185m >1 ASTM D5185m >2 ASTM D5185m >3								
Silver								
Aluminum ppm ASTM D5185m >20 2								
Lead								
Copper								
Tin								
Vanadium								
White Metal Scalar Visual NONE NON					>10			
Yellow Metal scalar "Visual NONE NONE					NONE			
Silicon ppm ASTM D5185m >25 5								
Potassium	<u></u>	Tellow Metal	Scalai	Visuai	INOINL	INONE		
Potassium	CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	5		
Water WC Method >0.2 NEG		Potassium		ASTM D5185m	>20	2		
Glycol	There is no indication of any contamination in the oil.	Fuel		WC Method	>3.0	<1.0		
Glycol		Water		WC Method	>0.2	NEG		
Soot %		Glycol		WC Method		NEG		
Sulfation Abs/.tmm		Soot %	%	*ASTM D7844	>4	0.2		
Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NORML		Nitration	Abs/cm	*ASTM D7624	>20	8.8		
Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE NONE Appearance Scalar *Visual NORML		Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML		Silt	scalar	*Visual	NONE	NONE		
Appearance Scalar *Visual NORML NORM		Debris	scalar	*Visual	NONE	NONE		
Oddr scalar *Visual NORML NORML		Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.2 NEG		Appearance	scalar	*Visual	NORML	NORML		
FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Sodium ppm ASTM D5185m 66 Magnesium ppm ASTM D5185m 66 79 Magnesium ppm ASTM D5185m 1000 807		Odor	scalar	*Visual	NORML	NORML		
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 66 Molybdenum ppm ASTM D5185m 66 79 Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 1000 807		Emulsified Water	scalar	*Visual	>0.2	NEG		
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 66 Molybdenum ppm ASTM D5185m 66 79 Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 1000 807	EL LUD CONDITION	· · · · · · · · · · · · · · · · · · ·		AOTM DEGOE				
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 < 1 Magnesium ppm ASTM D5185m 1000 807 Magnesium ppm ASTM D5185m 1000 807	FLUID CONDITION							
oil. The condition of the oil is suitable for further service. Molybdenum ppm ASTM D5185m 66 79 Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 1000 807								
Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 1000 807					e e			
Magnesium ppm ASTM D5185m 1000 807					66			
		-			1000			
בולו ווופטופע וווופטופע בולווו		•						
Phosphorus ppm ASTM D5185m 1150 922 Zinc ppm ASTM D5185m 1270 1150								
					12/0			
Sulfur ppm ASTM D5185m 3128 Oxidation Abs/.1mm *ASTM D7414 >25 16.4					- 0E			
Base Number (BN) mg KOH/g ASTM D2896 10.1 6.1 Visc @ 100°C cSt ASTM D445 15.5 13.8		,	0 0					
VISC @ 100 C CSL ASTINID443 13.3 (13.0)		visc @ 100 C	UUL	CHAC IMI DA42	10.0	13.0		





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0875551 Lab Number : 06160188

Unique Number: 10995611

Received **Tested** Diagnosed

Test Package : MOB 1 (Additional Tests: TBN)

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

: 25 Apr 2024 - Wes Davis

: 25 Apr 2024

: 25 Apr 2024

Contact: CHRIS CONTI chris.conti@oakridgewaste.com T:

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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OAKRIDGE WASTE

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