WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL



Rockaway
Machine Id
MACK 1267
Component
Diesel Engine

GIBRALTAR 15W/40 SUPER S-3 LX (11)

Test	GIBRALTAR 15W/40 SUPER S-					.,		
Resample at the next service interval to monitor.	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample at the next service interval to monitor. Sample Date Client Info Machine Age hrs Client Info 3523	RESSIMILATION				21111071011		,	
Machine Age hrs Client Info 3523 10 Filter Age hrs Client Info 3523 10 Filter Age hrs Client Info 3523 10 Filter Age hrs Client Info 3523 0 Clich Info 3523 0 Oil Changed Client Info Changed Ch	Resample at the next service interval to monitor.							
Dil Age hrs Client Info 3523 00 Filter Age hrs Client Info 3523 00 Oil Changed Client Info Changed Changed Client Info Changed Changed Client Info Changed Chang			hrs				_	
Filter Age		•		Client Info				
Oil Changed Client Info Changed Change								
Filter Changed Sample Status		_						
VEAR		_		Client Info			_	
Iron ppm ASTM D5185m 220 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		_				_	NORMAL	
Chromium ppm ASTM D5185m >20 0 0								
Nickel ppm ASTM D5185m >5 <1 0	WEAR	Iron	ppm	ASTM D5185m	>120	8	2	
Titianium ppm ASTM D5185m >2 0 0	All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	0	0	
Silver ppm ASTM D5185m >2 <1 0		Nickel	ppm	ASTM D5185m	>5	<1	0	
Aluminum ppm ASTM D5185m >20 3 <1		Titanium	ppm	ASTM D5185m	>2	0	0	
Lead ppm ASTM D5185m >40 2 0		Silver	ppm	ASTM D5185m	>2	<1	0	
Copper		Aluminum	ppm			3	<1	
Tin		Lead	ppm	ASTM D5185m	>40	2	0	
Vanadium ppm ASTM D5185m <1 0 White Metal scalar *Visual NONE NONE NONE NONE NO		Copper	ppm	ASTM D5185m	>330	<1	0	
White Metal Yellow Metal Scalar *Visual NONE NON		Tin	ppm	ASTM D5185m	>15	<1	<1	
Yellow Metal scalar "Visual NONE N		Vanadium	ppm			<1	0	
Silicon ppm ASTM D5185m >25 4 3		White Metal	scalar		NONE	NONE	NONE	
Potassium		Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium	CONTAMINATION	Ciliana		ACTM DE105	05	4		
There is no indication of any contamination in the oil. Fuel	CONTAMINATION							
Water WC Method S0.0 NEG N	There is no indication of any contamination in the oil.		ppm					
Glycol WC Method NEG NEG	Thore is no indication of any contamination in the cit.							
Soot %					>0.2			
Nitration			0/		4			
Sulfation Abs/.1mm *ASTM D7415 >30 19.6 16.7								
Silt scalar *Visual NONE NORML								
Debris Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NORML								
Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML								
Appearance scalar *Visual NORML NORM								
Odor scalar *Visual NORML NORML NORML Scalar *Visual NORML NORML NEG NEG FLUID CONDITION Sodium ppm ASTM D5185m 2 <1 Boron ppm ASTM D5185m 9 20								
FLUID CONDITION Sodium ppm ASTM D5185m 2 <1 Boron ppm ASTM D5185m 9 20								
FLUID CONDITION Sodium ppm ASTM D5185m 2 <1 Boron ppm ASTM D5185m 9 20								
The RNI recult indicates that there is suitable alkalinity remaining in the		Linuisilled Water		Visuai				
The PNI recult indicates that there is suitable alkalinity remaining in the	FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	<1	
The BN result indicates that there is suitable alkalinity remaining in the		Boron	ppm	ASTM D5185m		9	20	
Barium nom Asimubian I II I I	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 66 61 64		Molybdenum	ppm	ASTM D5185m	66	61	64	
Manganese ppm ASTM D5185m <1 0		Manganese	ppm	ASTM D5185m		<1	0	
Magnesium ppm ASTM D5185m 1000 800 858		Magnesium	ppm	ASTM D5185m	1000	800	858	
Calcium ppm ASTM D5185m 1050 1124 1319		Calcium	ppm	ASTM D5185m	1050	1124	1319	
Phosphorus ppm ASTM D5185m 1150 1029 1045		Phosphorus	ppm	ASTM D5185m	1150	1029	1045	
Zinc ppm ASTM D5185m 1270 1213 1254		Zinc	ppm	ASTM D5185m	1270	1213	1254	
Sulfur ppm ASTM D5185m 3058 4003		Sulfur	ppm	ASTM D5185m		3058	4003	
Oxidation						15.7	12.2	
Base Number (BN) mg KOH/g ASTM D2896 10.1 7.2 9.0		Base Number (BN)	mg KOH/g	ASTM D2896	10.1	7.2	9.0	
Visc @ 100°C cSt ASTM D445 15.5 \ 14.3 \ 14.4		Visc @ 100°C	cSt	ASTM D445	15.5	14.3	14.4	







Laboratory Sample No. Lab Number **Unique Number**

: WC0840410 : 06075594 : 10857685

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 31 Jan 2024 : 31 Jan 2024 Diagnosed

Diagnostician : Wes Davis

Test Package : MOB 1 (Additional Tests: TBN) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

INTERSTATE WASTE-ROCKAWAY

311 WEST MAIN STREET, STE 8 ROCKAWAY, NJ

US 07866

Contact: Service Manager

T: F: