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Machine Id MACK RO-34

Diesel Engine

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0875505	WC0875391	
Sample Date		Client Info		05 Jun 2024	28 Mar 2024	
Machine Age	hrs	Client Info		6751	6212	
Oil Age	hrs	Client Info		600	0	
Filter Age	hrs	Client Info		600	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
				-		
			>15	-		
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	nom	ASTM D5185m	>25	3	5	
	pp					
	%		>4			
Sulfation						
Silt		*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt		*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
0						
			00			
			66			
Ũ			1000			
-						
			1270			
			05			
Out deat						
Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414		14.7 7.6	13.9 6.8	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor	Sample NumberSample DateMachine AgehrsOil AgehrsFilter AgehrsOil ChangedFilter ChangedFilter Changed Sample StatusppmChromiumppmNickelppmNickelppmSilverppmAluminumppmLeadppmCopperppmTinppmVanadiumppmVanadiumppmFuelscalarSiliconppmFuelycalarSoot %%NitrationAbs/cmSulfationAbs/cmSulfationscalarSold %scalarSold %scalarSulfationAbs/cmSulfationscalarSodiumppmMapearancescalarSodiumppmManganeseppmManganeseppmMagnesiumppmPhosphorusppmZincppm	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoSample StatusSilverIronppmASTM D5185mNickelppmASTM D5185mNickelppmASTM D5185mAluminumppmASTM D5185mLeadppmASTM D5185mCopperppmASTM D5185mTinppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mFuelWC MethodSiliconppmASTM D5185mFuelWC MethodGlycolWC MethodSoot %%*ASTM D5185mFuelWC MethodSiltscalar*VisualSiltscalar*VisualSoot %%*ASTM D7844NitrationAbs/:Imm*ASTM D7844NitrationAbs/:Imm*ASTM D5185mGodorscalar*VisualSodiumppmASTM D5185mBoronppmASTM D5185mManganeseppmASTM D5185mMagnesiumppmASTM D5185mMagnesiumppmASTM D5185mPhosphorusppmASTM D5185mPhosphorusppm<	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusSample StatusIronppmASTM D5185mPornomiumppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mAuminumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mYellow Metalscalar*VisualNoneSiliconppmASTM D5185m>20FuelWC Method>0.2SiliconppmASTM D5185mYanadiumppmASTM D5185mYellow Metalscalar*VisualNONESoto %*ASTM D5185mSiliconppmASTM D5185mSoto %%*ASTM D7624Soto %%*ASTM D7624Soto %%*ASTM D7145Sotiltscalar*VisualNONESadar*VisualAppearancescalar*VisualAppearancescalar*VisualAppearancescalar*VisualMolybdenumppmASTM D5185mBoronppmASTM D5185mBariumppmASTM D5185mBariumppmASTM	Sample NumberClient InfoWC0875505Sample DateClient Info05 Jun 2024Machine AgehrsClient Info600Filter AgehrsClient Info600Oil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient InfoChangedIronppmASTM D5185m>20NickelppmASTM D5185m>20NickelppmASTM D5185m>20NickelppmASTM D5185m>20AluminumppmASTM D5185m>20LeadppmASTM D5185m>20CopperppmASTM D5185m>30VanadiumppmASTM D5185m>30VanadiumppmASTM D5185m>30VanadiumppmASTM D5185m>20VanadiumppmASTM D5185m>20Siliconppm <th>Sample NumberClient InfoWC0875505WC0875391Sample DateClient Info05 Jun 202428 Mar 2024Machine AgehrsClient Info67516212Oil AgehrsClient Info6000Filter AgehrsClient Info6000Oil ChangedClient InfoChangedChangedChangedFilter ChangedClient InfoChangedChangedChangedSample StatusVariable StatusNORMALNORMALIronppmASTM D5185m>20<11NickelppmASTM D5185m>20<12ItaniumppmASTM D5185m>2012LeadppmASTM D5185m>2012LeadppmASTM D5185m>30047TinppmASTM D5185m>30047TinppmASTM D5185m>102VanadiumppmASTM D5185m>2046FuelWC Method>.0.0NONENONEValueppmASTM D5185m>2046FuelWC Method>.0.2NEGNEGValueppmASTM D5185m>2046FuelWC Method>.0.2NEGNONEValueppmASTM D5185m>2046FuelWC Method>.0.2NEGNEGSiliconppmASTM D5185m2.0<td< th=""></td<></th>	Sample NumberClient InfoWC0875505WC0875391Sample DateClient Info05 Jun 202428 Mar 2024Machine AgehrsClient Info67516212Oil AgehrsClient Info6000Filter AgehrsClient Info6000Oil ChangedClient InfoChangedChangedChangedFilter ChangedClient InfoChangedChangedChangedSample StatusVariable StatusNORMALNORMALIronppmASTM D5185m>20<11NickelppmASTM D5185m>20<12ItaniumppmASTM D5185m>2012LeadppmASTM D5185m>2012LeadppmASTM D5185m>30047TinppmASTM D5185m>30047TinppmASTM D5185m>102VanadiumppmASTM D5185m>2046FuelWC Method>.0.0NONENONEValueppmASTM D5185m>2046FuelWC Method>.0.2NEGNEGValueppmASTM D5185m>2046FuelWC Method>.0.2NEGNONEValueppmASTM D5185m>2046FuelWC Method>.0.2NEGNEGSiliconppmASTM D5185m2.0 <td< th=""></td<>

Visc @ 100°C cSt

ASTM D445 15.5

13.4

13.2



