

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

ADVANCE MIXER 243 Component

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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.





1016 Mar/017 Dec/017 Dec/018 Sec/019 Sec/019 1-2022 L-2023

Sample Number Client Info WC0802321 LP0000253 WC0569847 Sample Date Client Info 04 May 2023 23 Jan 2023 09 Sep 2022 Machine Age hrs Client Info 40000 40000 40000 Oil Age hrs Client Info 500 500 500 Oil Changed Client Info Changed Changed Changed Changed Sample Status Imathod Imathod NORMAL NORMAL NORMAL CONTAMINATION method Imit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Glycol we Ko Method >5 <1.0 <1.0 <1.0 Glycol we Ko Method >5 <1.0 <1.0 <1.0 Glycol we Mot Method >5 <1.0 <1.0 <1.0 Glycol ppm ASTM D5185m >90 29 41 49 Chromium ppm
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Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0
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ADDITIVES method limit/base current history1 history2
Boron ppm ASTM D5185m 250 24 6 11
Barium ppm ASTM D5185m 10 0 <1 0
Molybdenum ppm ASTM D5185m 1 00 70 58 65
Manganese ppm ASTM D5185m <1
Magnesium ppm ASTM D5185m 450 692 914 945
Calcium ppm ASTM D5185m 3000 1472 1098 1172
Phosphorus ppm ASTM D5185m 1150 1087 1009 1077
Zinc ppm ASTM D5185m 1350 1394 1199 1272
Sulfur ppm ASTM D5185m 4250 4500 3006 3644
CONTAMINANTS method limit/base current history1 history2
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 4 4
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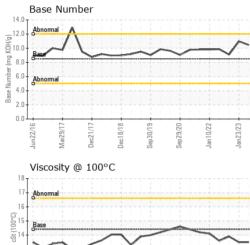
Ba 13 Ał 12

Jun22/16

Dec21/17.

Mar29/17

OIL ANALYSIS REPORT



			VISUAL		method	limit/base	current	history1	history2	
			White Metal	scalar	*Visual	NONE	NONE	NONE	NONE	
\sim		5	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE	
			Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE	
+ - 4			Silt	scalar	*Visual	NONE	NONE	NONE	NONE	
			Debris	scalar	*Visual	NONE	NONE	NONE	NONE	
			Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE	
3/18	9/20	3/23	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML	
Dec18/18 Sep30/19	Sep 29/20 Jan 10/22	Jan 23/23	Odor	scalar	*Visual	NORML	NORML	NORML	NORML	
			Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG	
С			Free Water	scalar	*Visual		NEG	NEG	NEG	
			FLUID PROPER		method	limit/base	current	history1	history2	
			Visc @ 100°C	cSt	ASTM D445	14.4	13.5	13.5	13.9	
\sim		\sim	GRAPHS							
			Iron (ppm)				Lead (ppm)			
	2		250 Severe			100	Sminn			
Dec18/18 Sep30/19	Sep 29/20 Jan 10/22	c c	100							
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			50		\sim					
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			Jun22/16 Mar29/17 Dec21/17	Dec18/18 Sep30/19	Sep29/20 Jan 10/22	Jan 23/23	Jun22/16 Mar29/17 Dec21/17	Dec18/18 Sep30/19	Sep 29/20 Jan 10/22 Jan 23/23	
			Aluminum (ppm)			Chromium (pp	m)		
			50 Severe			5	Severe			
			40 - 0			- 41				
		mag	20 Abnormal			a الم	Abnormal			
			10-			1				
				- 81/ - 61/	20	23		18-	22 -	
			Jun22/16 Mar29/17 Dec21/17	Dec18/18 Sep30/19	Sep29/20 Jan 10/22	Jan 23/23	Jun22/16 Mar29/17 Dec21/17	Dec18/18 Sep30/19	Sep 29/20 Jan 10/22 Jan 23/23	
			Copper (ppm)		. ,		Silicon (ppm)			
			400 T Severe			8				
			200			60) -			
		E.	200 -			E 41				
			100				Abnormal			
			100-			Ζ				
				19	20	53		19	23	
			Jun22/16 Mar29/17 Dec21/17	Dec18/18 Sep30/19	Sep 2 9/20 Jan 1 0/22	Jan 23/23	Jun22/16 Mar29/17 Dec21/17	Dec18/18 Sep30/19	Sep 29/20 Jan 10/22 Jan 23/23	
			Viscosity @ 100°		о ¬		Base Number		с г с	
			18 Abnormal			 ;©				
		0	16			₩ B 10.0	Abnormal			
		cSt (100°C)	14 Base	~~	\sim	per (m	Base		<u> </u>	
		Ę	Abnormal			(0) (0) (0) (0) (0) (0) (0) (0) (0) (0)	Abnormal		-	
			10			ase 0.0				
				8//8	9/20			8/18	9/20 - 0/22 - 3/23 -	
			Jun22/16 Mar29/17 Dec21/17	Dec18/18 Sep30/19	Sep29/20 Jan10/22	Jan 23/23	Jun22/16 Mar29/17 Dec21/17	Dec18/18 Sep30/19	Sep 29/20 Jan 10/22 Jan 23/23	
Certificate L2367	Laborat Sample Lab Nur Unique N Test Pa	No. nber lumber ckage	: WC0802321 Received : 12 May 2023 : 05846410 Diagnosed : 15 May 2023 : 10470517 Diagnostician : Wes Davis : MOB 2 Co					Conta	AND & GRAVEL INC 66 MAIN ST MILLIS, MA US 02054 pontact: FRAN ROSSI	
* - Denotes tes	st methods	s that ar	re outside of the ISO fications are based on	17025 scc	pe of accred	litation.	(JCGM 106:2012)	- 1	scaconcrete.com : (508)376-2957 : (508)376-4333	

Submitted By: MARVIN IBARRA