

# **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

#### Machine Id **27300** Component **Diesel Engine** Fluid **NOT GIVEN (--- GAL)**

## DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

# Wear

All component wear rates are normal.

## Contamination

There is a moderate amount of particulates present in the oil.

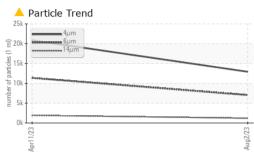
#### Fluid Condition

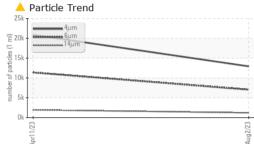
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

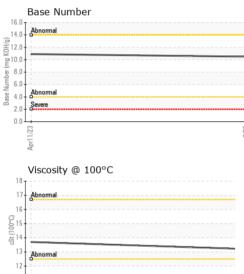
			Apr2023	Aug2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0012000	KLM2339359	
Sample Date		Client Info		02 Aug 2023	11 Apr 2023	
Machine Age	mls	Client Info		54632	50452	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	ABNORMAL	
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method		<1.0	<1.0	inotory 2
Glycol		WC Method	>0	<1.0 NEG	<1.0 NEG	
Giycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	32	94	
Chromium	ppm	ASTM D5185m	>20	1	3	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	13	15	
Lead	ppm	ASTM D5185m	>40	0	0	
Copper	ppm	ASTM D5185m	>330	1	6	
Tin	ppm	ASTM D5185m	>15	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		52	20	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		69	58	
Manganese	ppm	ASTM D5185m		<1	1	
Magnesium	ppm	ASTM D5185m		1168	1058	
Calcium	ppm	ASTM D5185m		1095	1199	
Phosphorus	ppm	ASTM D5185m		1123	1042	
Zinc	ppm	ASTM D5185m		1395	1341	
Sulfur	ppm	ASTM D5185m		4277	3816	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	12	
Sodium	ppm	ASTM D5185m		3	3	
Potassium	ppm	ASTM D5185m	>20	40	41	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	1.7	
Nitration	Abs/cm	*ASTM D7624	>20	9.2	14.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1	33.6	
Ganation						



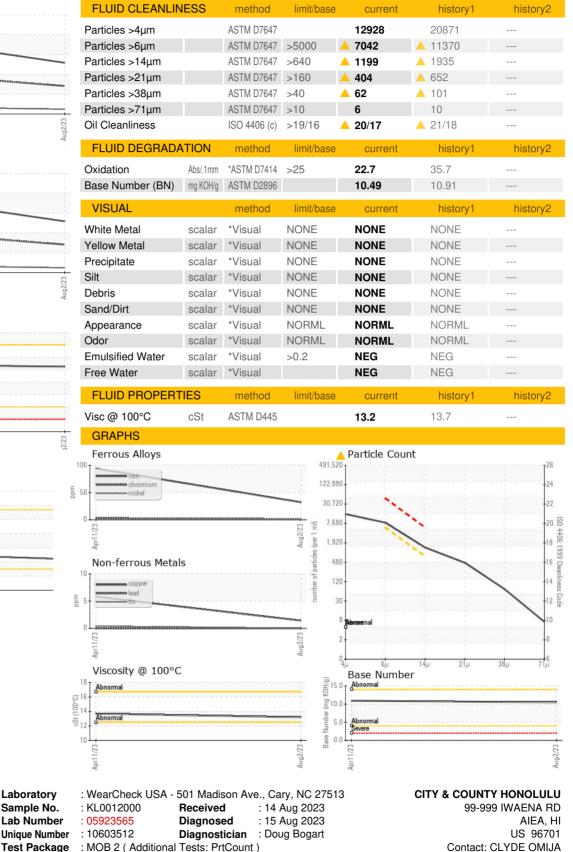
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Apr11/23



 Certificate L2367
 Test Package
 : MOB 2 ( Additional Tests: PrtCount )

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