

OIL ANALYSIS REPORT

Machine Id **27264** Component **Diesel Engine**

NOT GIVEN (--- GAL)

Sample Rating Trend



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 high amount of particulates present in the oil.

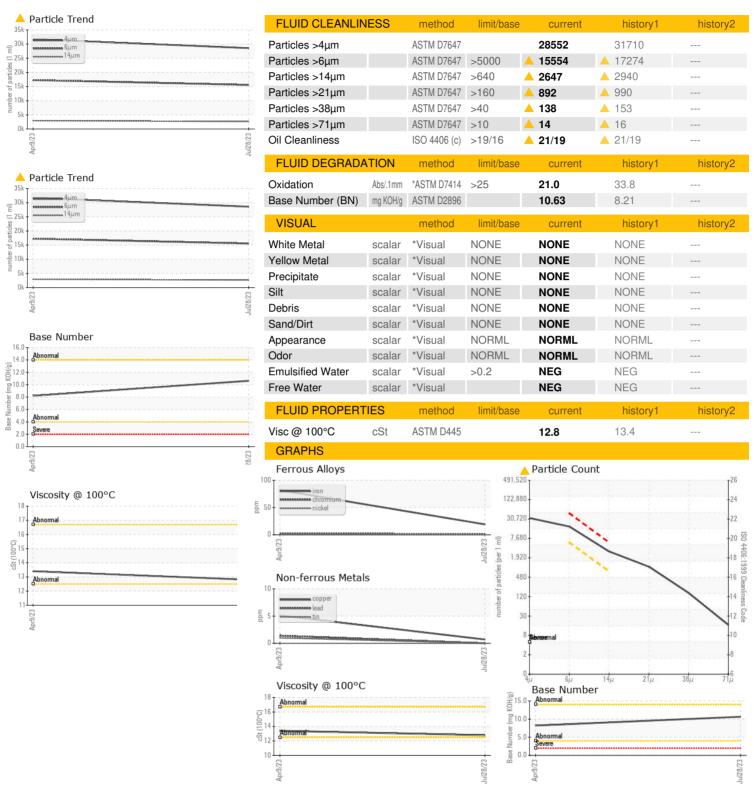
Fluid Condition

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

			Apr2023	Jul2023		
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0012007	KLM2339345	
Sample Date		Client Info		28 Jul 2023	09 Apr 2023	
Machine Age	mls	Client Info		58553	58554	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	19	82	
Chromium	ppm	ASTM D5185m	>20	<1	2	
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	3	11	
Lead	ppm	ASTM D5185m	>40	0	1	
Copper	ppm	ASTM D5185m	>330	<1	5	
Tin	ppm	ASTM D5185m	>15	0	1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		62	65	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		63	80	
Manganese	ppm	ASTM D5185m		<1	2	
Magnesium	ppm	ASTM D5185m		1062	459	
Calcium	ppm	ASTM D5185m		1069	1676	
Phosphorus	ppm	ASTM D5185m		1065	1061	
Zinc	ppm	ASTM D5185m		1290	1345	
Sulfur	ppm	ASTM D5185m		4144	3877	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	13	
Sodium	ppm	ASTM D5185m		3	6	
Potassium	ppm	ASTM D5185m	>20	2	13	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	1	
Nitration	Abs/cm	*ASTM D7624	>20	8.6	13.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	33.6	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **Unique Number**

: KL0012007 . 05923558 : 10603505 Test Package

: MOB 2 (Additional Tests: PrtCount)

Received : 14 Aug 2023 Diagnosed : 15 Aug 2023 Diagnostician

: Doug Bogart

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)

CITY & COUNTY HONOLULU

99-999 IWAENA RD AIEA, HI US 96701

Contact: CLYDE OMIJA comija@honolulu.gov T: (575)623-9952

Contact/Location: CLYDE OMIJA - CITAIE