

OIL ANALYSIS REPORT

RIG 879 R879-P-01

Component Pump Drive

NOT GIVEN (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Please note that this is a corrected copy.

Wear

All component wear rates are normal.

Contamination

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

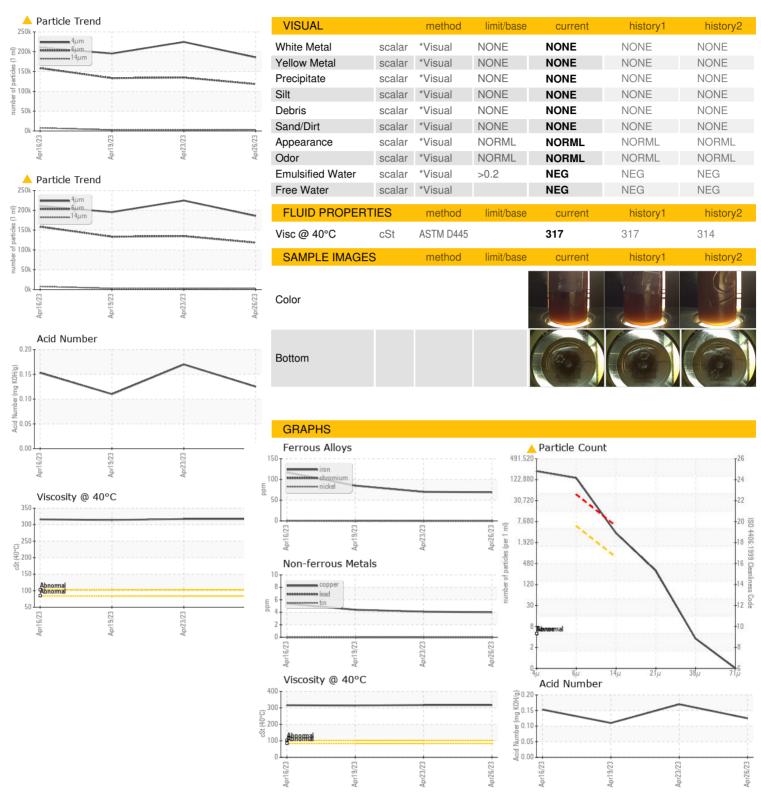
Fluid Condition

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

		Apr202	3 Apr2023	Apr2023 A	pr2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0012420	KL0012418	KL0009708
Sample Date		Client Info		26 Apr 2023	23 Apr 2023	19 Apr 2023
Machine Age	days	Client Info		45042	45039	45035
Oil Age	days	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	69	70	85
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	6	10
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		4	4	4
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		4	4	5
Molybdenum	ppm	ASTM D5185m		9	9	10
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		9	9	14
Calcium	ppm	ASTM D5185m		465	502	597
Phosphorus	ppm	ASTM D5185m		31	31	34
Zinc	ppm	ASTM D5185m		19	19	14
Sulfur	ppm	ASTM D5185m		8783	8531	9421
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	38	40	50
Sodium	ppm	ASTM D5185m		259	284	383
Potassium	ppm	ASTM D5185m	>20	4	5	4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		185763	224656	195447
Particles >6µm		ASTM D7647	>5000	<u> </u>	<u>▲</u> 134880	<u>▲</u> 133368
Particles >14μm		ASTM D7647	>640	13139	<u>^</u> 2590	<u>^</u> 2875
Particles >21μm		ASTM D7647		<u>^</u> 264	<u>^</u> 218	<u>▲</u> 82
Particles >38µm		ASTM D7647	>40	3	2	1
Particles >71μm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/16	<u>4</u> 24/19	<u>4</u> 24/19	<u>4</u> 24/19
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.125	0.17	0.11



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Certificate L2367

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

: KL0012420 : 05833877

: 10452680

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 May 2023 Diagnosed

: 03 May 2023 Diagnostician : Doug Bogart

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

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