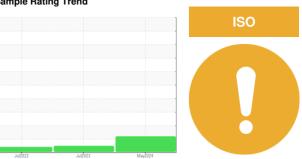


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

RIG 55-B CRANE (S/N 062965)

Component Port Gearbox

{not provided} (--- GAL)

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

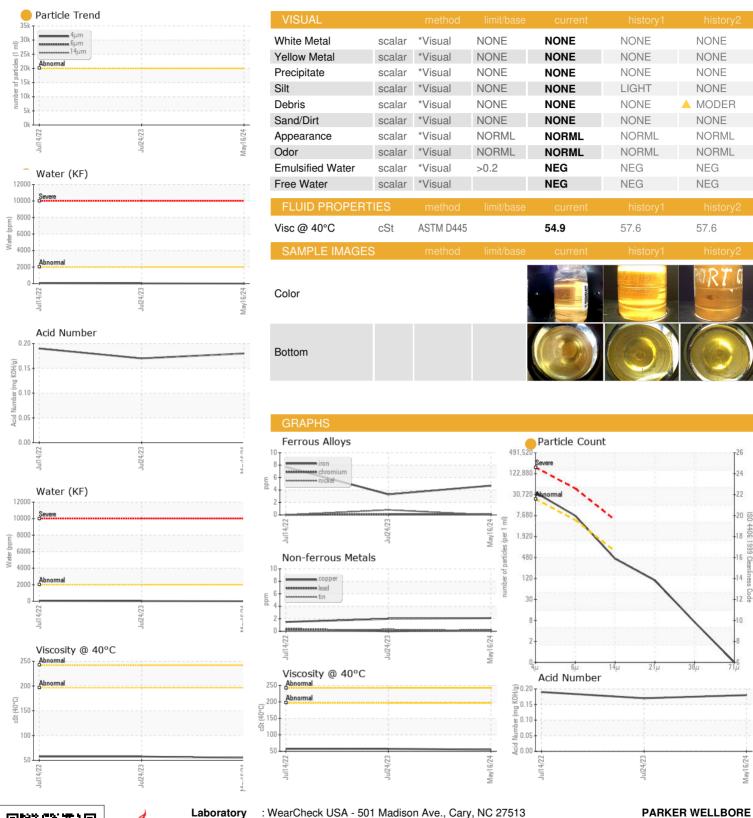
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

	Jul 2022 Jul 2023 May 2024					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0037472	RP0031776	RP0022138
Sample Date		Client Info		16 May 2024	24 Jul 2023	14 Jul 2022
Machine Age	hrs	Client Info		1144	993	771
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	5	3	8
Chromium	ppm	ASTM D5185m	>15	<1	<1	0
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	1	<1
Aluminum	ppm	ASTM D5185m	>25	2	0	<1
Lead	ppm	ASTM D5185m	>100	<1	0	<1
Copper	ppm	ASTM D5185m	>200	2	2	2
Tin	ppm	ASTM D5185m	>25	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	6	<1
Calcium	ppm	ASTM D5185m		3	3	4
Phosphorus	ppm	ASTM D5185m		223	157	237
Zinc	ppm	ASTM D5185m		58	18	48
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	2	3
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	5	<1
Water	%	ASTM D6304	>0.2	0.00	0.002	0.004
ppm Water	ppm	ASTM D6304	>2000	0	20.0	46.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	30663		
Particles >6µm		ASTM D7647	>5000	6622		
Particles >14μm		ASTM D7647	>640	392		
Particles >21µm		ASTM D7647	>160	94		
Particles >38μm		ASTM D7647	>40	6		
Particles >71μm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	22/20/16		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.18	0.17	0.19



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number Unique Number : 11063613

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0037472 : 06201490

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

Received : 06 Jun 2024 Tested Diagnosed Test Package : IND 2 (Additional Tests: PrtCount)

: 07 Jun 2024

: 07 Jun 2024 - Wes Davis

US 70560 Contact: BRENT CARLINE brent.carline@parkerwellbore.com

T: (337)364-3122 F: (337)364-0232

Contact/Location: BRENT CARLINE - PARNEWLA

 st - 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)

Report Id: PARNEWLA [WUSCAR] 06201490 (Generated: 06/07/2024 23:08:58) Rev: 1

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