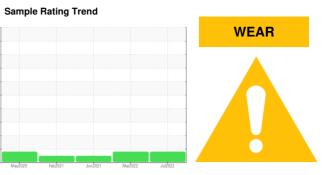


OIL ANALYSIS REPORT







DIAGNOSIS

Recommendation

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

Wear

The lead level has decreased, but is still abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

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.

AL 40 (GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0134917	JR0119389	JR0080074
Sample Date		Client Info		10 Jul 2022	13 Mar 2022	03 Jun 2021
Machine Age	hrs	Client Info		2879	2335	1468
Oil Age	hrs	Client Info		500	500	500
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>51	26	47	18
Chromium	ppm	ASTM D5185m	>11	<1	2	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>31	5	8	2
_ead	ppm	ASTM D5185m	>26	4 4	1 37	8
Copper	ppm	ASTM D5185m	>26	4	7	5
Γin	ppm	ASTM D5185m	>4	2	4	1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	99	48	204
Barium	ppm	ASTM D5185m	10	0	0	<1
Molybdenum	ppm	ASTM D5185m	100	261	266	254
Manganese	ppm	ASTM D5185m		<1	2	<1
Magnesium	ppm	ASTM D5185m	450	823	897	808
Calcium	ppm	ASTM D5185m	3000	1528	1642	1515
Phosphorus	ppm	ASTM D5185m	1150	844	919	910
Zinc	ppm	ASTM D5185m	1350	1063	1125	1045
Sulfur	ppm	ASTM D5185m	4250	3365	2577	2438
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	9	12	6
Sodium	ppm	ASTM D5185m	>216	2	0	3
Potassium	ppm	ASTM D5185m	>20	0	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	8.0	1.2	0.5
Nitration	Abs/cm	*ASTM D7624	>20	11.7	14.1	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.0	33.9	25
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.6	30.1	19.4
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.4	7.9	9.3



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 05587049 Unique Number : 10046496

: JR0134917

Received **Tested** Diagnosed Test Package : CONST (Additional Tests: TBN)

: 11 Jul 2022 : 12 Jul 2022

: 12 Jul 2022 - Don Baldridge

US 28269 Contact: CHARLOTTE SHOP

9550 STATESVILLE ROAD

JRE - CHARLOTTE

CHARLOTTE, NC

myoung@jamesriverequipment.com T: (704)597-0211

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) F: (704)596-6198