

OIL ANALYSIS REPORT

Sample Rating Trend



Area [85828314] 10017413 WEST Gearbox

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

GEAR OIL (PAG) ISO 220 (--- GAL)

Wear

Fluid

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

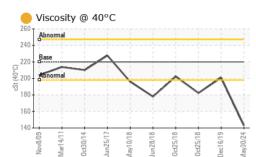
Fluid Condition

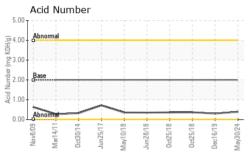
Viscosity of sample indicates oil is within ISO 150 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

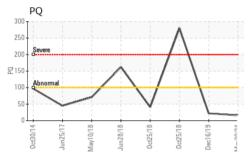
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0814581	WC0324560	WCI2321047
Sample Date		Client Info		30 May 2024	16 Dec 2019	25 Oct 2018
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	ABNORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16	22	280
Iron	ppm	ASTM D5185m	>200	0	16	43
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	1
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	<1	<1	2
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Antimony	ppm	ASTM D5185m	>5		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	5	0	0	<1
Barium	ppm	ASTM D5185m	5	0	0	<1
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m	5	0	2	2
Calcium	ppm	ASTM D5185m	5	0	7	18
Phosphorus	ppm	ASTM D5185m	775	342	431	415
Zinc	ppm	ASTM D5185m	5	0	52	102
Sulfur	ppm	ASTM D5185m	2000	5807	335	3740
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	8	12
Sodium	ppm	ASTM D5185m		0	2	4
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	2.00	0.395	0.300	0.367



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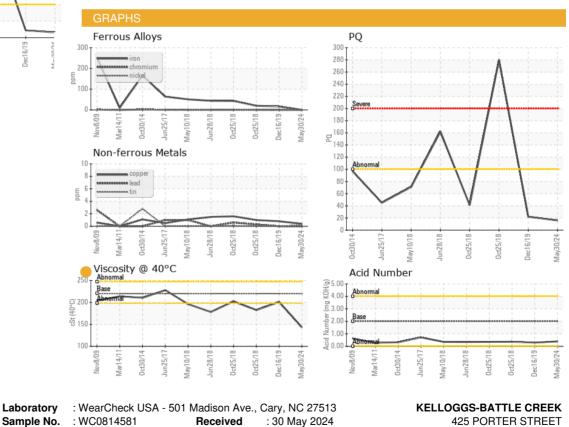






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	A HEAVY
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	<mark> </mark> 143.1	201	▲ 182.3
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						







Lab Number : 06195601 Tested : 05 Jun 2024 BATTLE CREEK, MI Unique Number : 11057724 Diagnosed : 05 Jun 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: PQ) Contact: Robert Horton Certificate 12367 robert.horton@wkkellogg.com To discuss this sample report, contact Customer Service at 1-800-237-1369. T: (269)419-2528 * - 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: KELBAT [WUSCAR] 06195601 (Generated: 06/06/2024 04:12:09) Rev: 1

Contact/Location: Robert Horton - KELBAT

Page 2 of 2

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