

WEAR NORMAL CONTAMINATION ATTENTION FLUID CONDITION NORMAL

RIG 258

R258-MP-01 Component Gearbox

GEAR OIL ISO 320 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

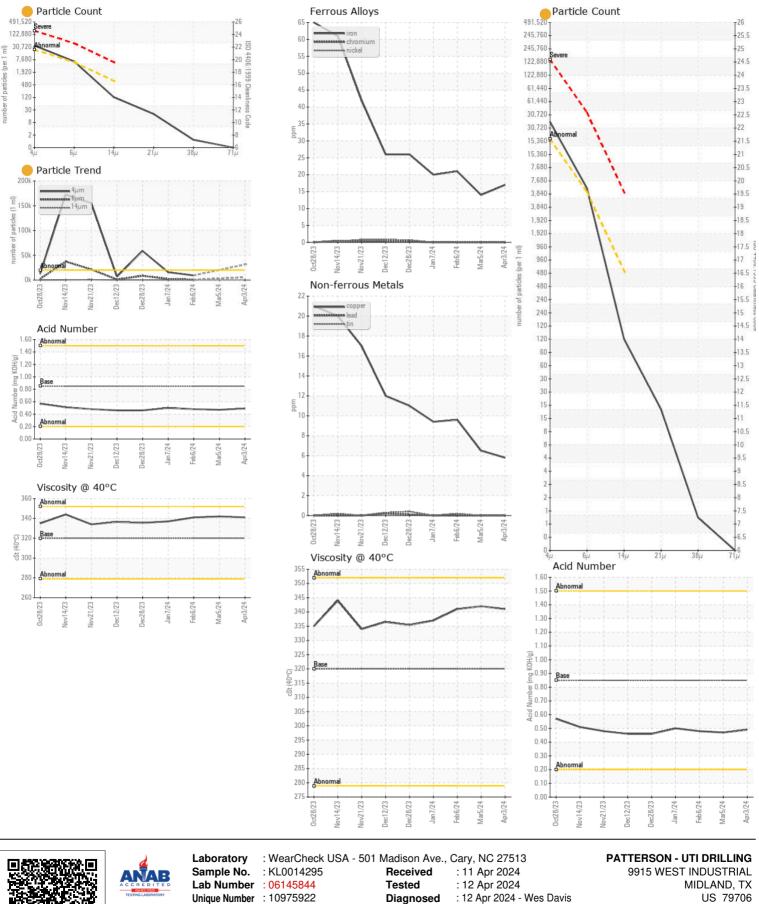
CONTAMINATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0014295	KL0013735	KL0013762
Sample Date		Client Info		03 Apr 2024	05 Mar 2024	06 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>200	17	14	21
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>200	6	6	10
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	0000	ASTM D5185m	>50	5	4	6
Potassium	ppm	ASTM D5185m	>20	0	4	0
Water	ppm	WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>0.2	NEG 31334	NEG	9315
Particles >6µm		ASTM D7647 ASTM D7647	>5000	5497		683
Particles >14µm		ASTM D7647 ASTM D7647	>640	107		17
Particles >21µm		ASTM D7647	>160	17		2
Particles >38µm		ASTM D7647	>40	1		0
Particles >71µm		ASTM D7647	>10	0		0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	22/20/14		20/17/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
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
Sodium	ppm	ASTM D5185m		7	7	13
Boron	ppm	ASTM D5185m	50	<1	4	4
Barium	ppm	ASTM D5185m	15	2	0	2
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	50	<1	0	<1
Calcium	ppm	ASTM D5185m	50	22	12	20
Phosphorus	ppm	ASTM D5185m	350	152	122	140
Zinc	ppm	ASTM D5185m	100	4	3	19
Sulfur	ppm	ASTM D5185m	12500	9373	8560	7680
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.49	0.47	0.48
Visc @ 40°C	cSt	ASTM D445	320	341	342	341



Certificate L2367 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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