

OIL ANALYSIS REPORT







Machine Id 40-206L Component
Swing Drive Fluid GEAR OIL SAE 80W90

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The condition of the oil is acceptable for the time in service.

(GAL)				Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0936921		
Sample Date		Client Info		16 Feb 2024		
Machine Age	hrs	Client Info		2648		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Vater		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>151	49		
Chromium	ppm	ASTM D5185m	>11	0		
lickel	ppm		>10	0		
itanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>21	0		
_ead	ppm	ASTM D5185m	>51	0		
Copper	ppm	ASTM D5185m	>51	0		
in	ppm	ASTM D5185m	>10	0		
/anadium	ppm	ASTM D5185m	~10	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	PPIII	method	limit/base	current	history1	history2
Boron	12.12.122	ASTM D5185m	400	244		Thistoryz
	ppm	ASTM D5185m	200			
Barium Ashibdanum	ppm			<1		
Molybdenum	ppm	ASTM D5185m	12	0		
Manganese	ppm	ASTM D5185m	10	<1		
Magnesium	ppm	ASTM D5185m	12	0		
Calcium	ppm	ASTM D5185m	150	12		
Phosphorus	ppm	ASTM D5185m	1650	1099		
Zinc	ppm	ASTM D5185m	125	3		
Sulfur	ppm	ASTM D5185m	22500	23945		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>31	3		
Sodium	ppm	ASTM D5185m	>170	<1		
Potassium	ppm	ASTM D5185m	>20	<1		
VISUAL		method	limit/base	current	history1	history2
Vhite Metal	scalar	*Visual	NONE	NONE		
ellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Free Water	scalar	*Visual		NEG		

Contact/Location: BEN CALDWELL - MANTUL

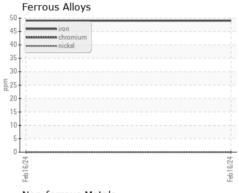


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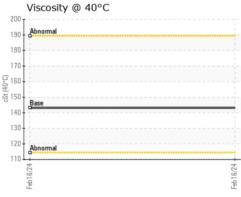




GRAPHS



Non-ferrous Metals







Laboratory Sample No.

: WC0936921 Lab Number : 06174333 Unique Number : 11020386

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Tested

: 09 May 2024 : 10 May 2024 Diagnosed

: 10 May 2024 - Wes Davis

5601 S 122ND E AVE TULSA, OK

US 74146 Contact: BEN CALDWELL kevin.marson@wearcheck.com

MANHATTAN ROAD AND BRIDGE

Certificate 12367

Test Package : CONST 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)

Report Id: MANTUL [WUSCAR] 06174333 (Generated: 05/11/2024 21:49:11) Rev: 1

Contact/Location: BEN CALDWELL - MANTUL

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