

Machine Id LIEBHERR 31255 Component Right Final Drive Fluid CHEVRON DELO GEAR ESI OIL 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (AI) indicate aluminasilicate (coarse dirt) ingress.

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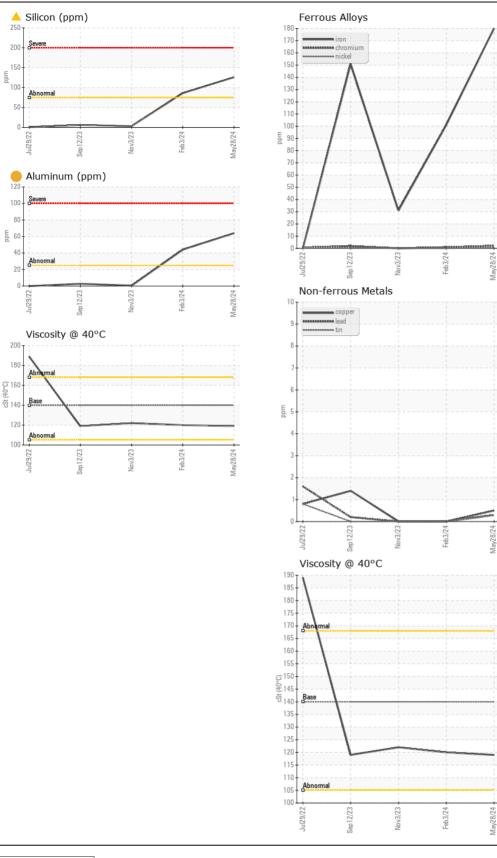
FLUID CONDITION

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0924661	WC0882591	WC0857043
Sample Date		Client Info		28 May 2024	03 Feb 2024	03 Nov 2023
Machine Age	hrs	Client Info		2206	1891	1573
Oil Age	hrs	Client Info		2000	250	1500
Filter Age	hrs	Client Info		2000	0	1500
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	180	101	31
Chromium	ppm	ASTM D5185m	>10	2	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		3	2	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	64	44	<1
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>50	<1	0	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	126	▲ 86	3
Potassium	ppm	ASTM D5185m	>20	15	7	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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		3	4	2
Boron	ppm	ASTM D5185m	15	104	127	126
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	0	7	5	6
Manganese	ppm	ASTM D5185m		1	1	0
Magnesium	ppm	ASTM D5185m	0	26	25	20
Calcium	ppm	ASTM D5185m	5	85	85	80
Phosphorus	ppm	ASTM D5185m	600	2047	1958	1846
	ppm					
Zinc	ppm	ASTM D5185m	0	87	78	84
		ASTM D5185m ASTM D5185m	0 22000	87 19858	78 16651	84 17260
Zinc	ppm					

Contact/Location: CHRIS CALTON - MSCDURLH



: WearCheck USA - 501 Madison Ave., Cary, NC 27513 SULLIVAN EASTERN INC-LIEBHERR : 30 May 2024 2860 C SLATER RD MORRISVILLE, NC : 03 Jun 2024 : 03 Jun 2024 - Sean Felton US 27560 Contact: CHRIS CALTON

Test Package : CONST Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Lab Number : 06196068

Unique Number : 11058191

Laboratory

Sample No.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

: WC0924661

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)484-2136

Received

Diagnosed

Tested

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