

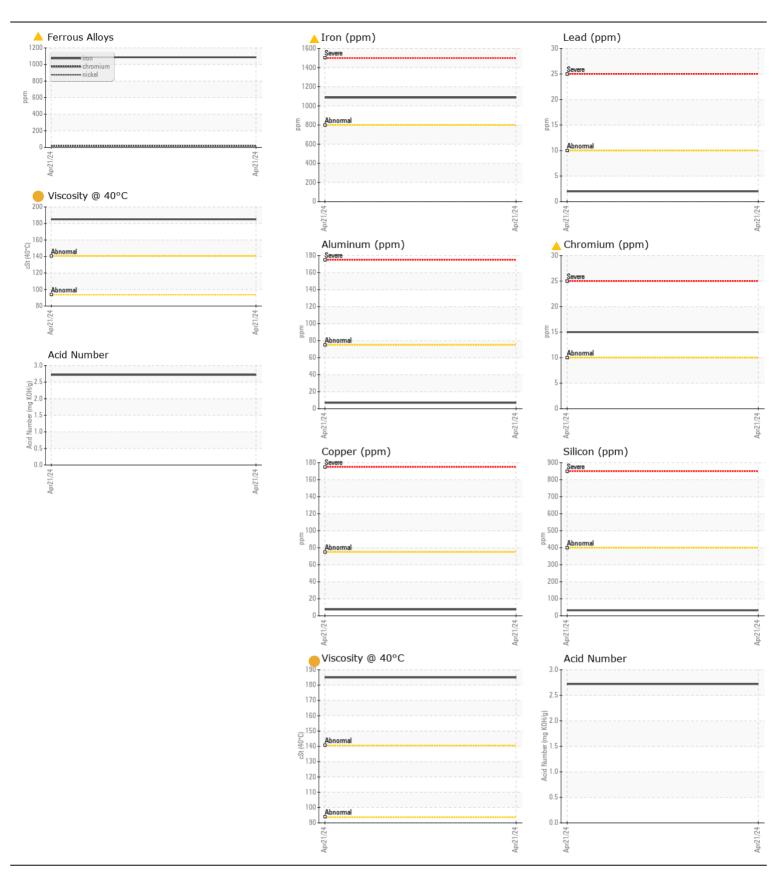
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL** NORMAL **ATTENTION**



CATERPILLAR 299D3 SL8301 (S/N JDY904881)

Right Final Drive

The oil 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. Sample Number Client Info 21 Apr 2024 Machine Age hrs Client Info 1069 Cil Age hrs Client Info 0 Filter Age hrs Client Info 0 Filter Changed Client Info Changed Filter Changed Sample Status ABNORMAL	DURALENE Fleet Gear Syn 75	W90 (GAL	<u>-)</u>					
Sample Date Client Info 1069	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Client Info 14 proze 14	action is recommended at this time. Resample at the next service	Sample Number		Client Info		DC0035636		
No. No. No		Sample Date		Client Info		21 Apr 2024		
Filter Age		Machine Age	hrs	Client Info		1069		
Client Info		Oil Age	hrs	Client Info		1069		
Filter Changed Filter Changed Sample Status Sample Man Sample Status Sample Statu		Filter Age	hrs	Client Info		0		
Name		Oil Changed		Client Info		Changed		
Part		Filter Changed		Client Info		N/A		
Chromium ppm ASTM DS185m >10		Sample Status				ABNORMAL		
Nicket ppm ASTM 05185n -15 1 .	WEAR	Iron	ppm	ASTM D5185m	>800	<u> </u>		
Nicke Opt ASTM D5186h 3-15 1	Gear wear is indicated. All other metal levels are typical for a new	Chromium	ppm	ASTM D5185m	>10	<u> </u>		
Silver		Nickel	ppm	ASTM D5185m	>5	2		
Aluminum ppm ASTM D5185m >75 7		Titanium	ppm	ASTM D5185m	>15	1		
Lead ppm ASTM D5185m >10 2 Copper ppm ASTM D5185m >75 7 Tin ppm ASTM D5185m >8 0 Vanadium ppm ASTM D5185m >400 32 Valua NONE NONE Valua NONE NORM		Silver	ppm	ASTM D5185m	>2	0		
Copper		Aluminum	ppm	ASTM D5185m	>75	7		
Tin		Lead	ppm	ASTM D5185m	>10	2		
Vanadium ppm ASTM D5185m <1 White Metal Scalar *Visual NONE NONE Yellow Metal Scalar *Visual NORM		Copper	ppm	ASTM D5185m	>75	7		
White Metal Scalar *Visual NONE NO		Tin	ppm	ASTM D5185m	>8	0		
Yellow Metal scalar "Visual NONE NONE Silicon ppm ASTM D5185m >400 32 Potassium ppm ASTM D5185m >20 2 Water WC Method >0.2 NEG Wisual NONE NONE Silit scalar "Visual NONE NONE NONE Debris scalar "Visual NONE NONE NONE Sand/Dirt scalar "Visual NONE NONE NONE Appearance scalar "Visual NORM		Vanadium	ppm	ASTM D5185m		<1		
Silicon ppm ASTM D5185m >400 32		White Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 2		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 2	CONTAMINATION	Silicon	ppm	ASTM D5185m	>400	32		
Water WC Method >0.2 NEG Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORM		Potassium		ASTM D5185m	>20	2		
Debris Scalar *Visual NONE NONE		Water		WC Method	>0.2	NEG		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NOR		Silt	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NOR		Debris	scalar	*Visual	NONE	NONE		
Odor Scalar *Visual NORML NORML Emulsified Water Scalar *Visual Scalar		Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.2 NEG		Appearance	scalar	*Visual	NORML	NORML		
Sodium ppm ASTM D5185m 9 Hoil viscosity is higher than normal. The AN level is acceptable for this fluid.		Odor	scalar	*Visual	NORML	NORML		
Boron ppm ASTM D5185m 78 Barium ppm ASTM D5185m 7 Molybdenum ppm ASTM D5185m 1 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 66 Phosphorus ppm ASTM D5185m 1644 Zinc ppm ASTM D5185m 59		Emulsified Water	scalar	*Visual	>0.2	NEG		
Boron ppm ASTM D5185m 78 Barium ppm ASTM D5185m 7 Molybdenum ppm ASTM D5185m 1 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 66 Phosphorus ppm ASTM D5185m 1644 Zinc ppm ASTM D5185m 59	FLUID CONDITION	Sodium	ppm	ASTM D5185m		9		
this fluid. Barium ppm ASTM D5185m 7 Molybdenum ppm ASTM D5185m 1 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 66 Phosphorus ppm ASTM D5185m 1644 Zinc ppm ASTM D5185m 59	The oil viscosity is higher than normal. The AN level is acceptable for this fluid.	Boron		ASTM D5185m		78		
Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 66 Phosphorus ppm ASTM D5185m 1644 Zinc ppm ASTM D5185m 59		Barium	ppm	ASTM D5185m		7		
Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 66 Phosphorus ppm ASTM D5185m 1644 Zinc ppm ASTM D5185m 59		Molybdenum	ppm	ASTM D5185m		1		
Calcium ppm ASTM D5185m 66 Phosphorus ppm ASTM D5185m 1644 Zinc ppm ASTM D5185m 59		Manganese	ppm	ASTM D5185m		9		
Phosphorus ppm ASTM D5185m 1644 Zinc ppm ASTM D5185m 59		Magnesium	ppm	ASTM D5185m		5		
Zinc ppm ASTM D5185m 59		Calcium	ppm	ASTM D5185m		66		
		Phosphorus	ppm	ASTM D5185m		1644		
Sulfur ppm ASTM D5185m 30491		Zinc	ppm	ASTM D5185m		59		
		Sulfur	ppm	ASTM D5185m		30491		
Acid Number (AN) mg KOH/g ASTM D8045 2.72		Acid Number (AN)	mg KOH/g	ASTM D8045		2.72		
Visc @ 40°C cSt ASTM D445 185 Percent ld: COMEORMD IMUISCARI 06160666 (Congreted: 04/27/2024 11:16:08) Pays 1		Visc @ 40°C	cSt	ASTM D445				





Certificate L2367

Laboratory Sample No.

: DC0035636 Lab Number : 06160566 Unique Number: 10995989 Test Package : MOB 2

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

Received **Tested** Diagnosed

: 25 Apr 2024 : 26 Apr 2024

: 27 Apr 2024 - Don Baldridge

COMER CONSTRUCTION 2100 SLADE LANE FOREST HILL, MD US 21050

Contact: RANDY SLADE rslade@comerconstruction.com

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: (410)638-0289