



CONSTRUCTION EQUIPMENT

SWO-069177 TAKEUCHI TL6 406001662 - REAR RIGHT FINAL DRIVE



Sample No: VCP444470
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-069177



SAMPLE INFORMATION

Sample Number	VCP444470	VCP380772	VCP372960	VCP357697
Sample Date	20 Feb 2024	10 Jan 2023	10 Jul 2022	29 Mar 2022
Machine Hours	3140	3027	2241	1812
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	SEVERE	ABNORMAL	SEVERE

WHITAKER CONTRACTING

692 CONVICT CAMP RD
 GUNTERVILLE, AL
 US 35976

Contact: BROTHER WHITAKER
 BrotherWhitaker@whitaker-contracting.com
 T: (256)298-3905
 F:



OIL CONDITION

Visc @ 40°C	cSt	90.3	252	178	273
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CONTAMINATION

Water	%	▲ 4.51	▲ 0.292	NEG	NEG
Silicon	ppm	▲ 3821	▲ 834	■ 23	▲ 94
Sodium	ppm	■ 79	■ 27	■ 3	■ 3
Potassium	ppm	■ 566	■ 135	■ 2	■ 11

Diagnosis



WEAR METALS

Iron	ppm	▲ 14743	▲ 4691	▲ 1017	▲ 1565
Copper	ppm	■ 47	■ 11	■ 2	■ 3
Lead	ppm	■ 6	■ 2	■ 0	■ 0
Tin	ppm	■ 9	■ 2	■ <1	■ <1
Aluminum	ppm	● 1092	● 286	■ 6	● 27
Chromium	ppm	▲ 120	▲ 46	▲ 12	▲ 13
Molybdenum	ppm	● 58	■ 11	■ 3	■ 3
Nickel	ppm	▲ 22	▲ 14	1	3
Titanium	ppm	▲ 66	■ 17	<1	2
Silver	ppm	<1	0	0	<1
Manganese	ppm	● 118	■ 37	■ 10	■ 11
Vanadium	ppm	2	<1	0	<1



ADDITIVES

Calcium	ppm	● 9342	■ 633	■ 73	■ 535
Magnesium	ppm	● 2839	■ 68	■ 27	■ 99
Zinc	ppm	● 898	■ 153	■ 61	■ 57
Phosphorus	ppm	■ 953	■ 685	■ 353	■ 905
Barium	ppm	■ 11	■ 0	■ 2	■ 0
Boron	ppm	● 47	■ 86	■ 22	■ 118

Depot: WHIGUN
Unique No: 10900262
Signed: Jonathan Hester
Report Date: 29 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

