



CONSTRUCTION EQUIPMENT

SW-22475-15 SUNROL VOLVO A40F 11398 - FRONT AXLE



Sample No: VCP414476
Oil Type: GEAR OIL SAE 80W90
Job No: SW-22475-15 SUNROL



SAMPLE INFORMATION

Sample Number	VCP414476	VCP363164	---	---
Sample Date	31 Aug 2023	27 Sep 2022	---	---
Machine Hours	12017	11674	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

ARNOLD MACHINERY COMPANY
 2975 WEST 2100 SOUTH
 SALT LAKE CITY, UT
 US 84119
 Contact: TJ LARK
 tlark@arnoldmachinery.com
 T: (801)972-4000
 F: (801)975-9434



OIL CONDITION

Visc @ 40°C	cSt	158	106	---	---
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Silicon	ppm	7	12	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	3	0	---	---

Diagnosis

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. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	99	122	---	---
Copper	ppm	0	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	2	<1	---	---
Molybdenum	ppm	16	7	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	9	3	---	---
Vanadium	ppm	0	2	---	---



ADDITIVES

Calcium	ppm	58	392	---	---
Magnesium	ppm	1	92	---	---
Zinc	ppm	40	276	---	---
Phosphorus	ppm	1035	1036	---	---
Barium	ppm	0	0	---	---
Boron	ppm	191	136	---	---

Depot: VOLV08770
Unique No: 10635544
Signed: Wes Davis
Report Date: 08 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

