



CONSTRUCTION EQUIPMENT

SUBARU SUBARU WRX - GASOLINE ENGINE



Sample No: VCP418880
Oil Type: AMSOIL (ASL) SYN MOTOR OIL 5W30
Job No:



SAMPLE INFORMATION

Sample Number	VCP418880	VCP388146	---	---
Sample Date	28 Feb 2024	15 Oct 2023	---	---
Machine Hours	70384	43811	---	---
Oil Hours	3151	5112	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	9.8	8.8	---	---
Base Number (BN)	mg KOH/g	10.72	7.9	---	---
Oxidation (PA)	%	67	13	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0	---	---
Nitration (PA)	%	12	10	---	---
Sulfation (PA)	%	33	12	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	14	16	---	---
Sodium	ppm	7	4	---	---
Potassium	ppm	3	6	---	---



WEAR METALS

Iron	ppm	10	2	---	---
Copper	ppm	6	<1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	4	3	---	---
Chromium	ppm	1	0	---	---
Molybdenum	ppm	194	65	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	2	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1202	1148	---	---
Magnesium	ppm	896	946	---	---
Zinc	ppm	851	804	---	---
Phosphorus	ppm	739	650	---	---
Barium	ppm	0	0	---	---
Boron	ppm	289	154	---	---

Depot: VOLVO0010
Unique No: 10910369
Signed: Jonathan Hester
Report Date: 07 Mar 2024



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GRAPHS

