

AVANT 755 (S/N 96532) - DIESEL ENGINE

Sample No: KT0000835

Oil Type: AMALIE 5W40 API CK-4

SAMPLE INFORMATION

Sample Number	KT0000835	---	---	---
Sample Date	28 Mar 2024	---	---	---
Machine Hours	1111	---	---	---
Oil Hours	4	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

NOLTS POWER EQUIPMENT

100 OUTLOOK LN
 SHIPPENSBURG, PA
 US 17257
 Contact: WILSON NOLT
 wilson.nolt@noltspower.com
 T: (717)423-6300
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 7.1	---	---	---
Oxidation (PA)	%	113	---	---	---

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	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	74	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---

WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 54	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

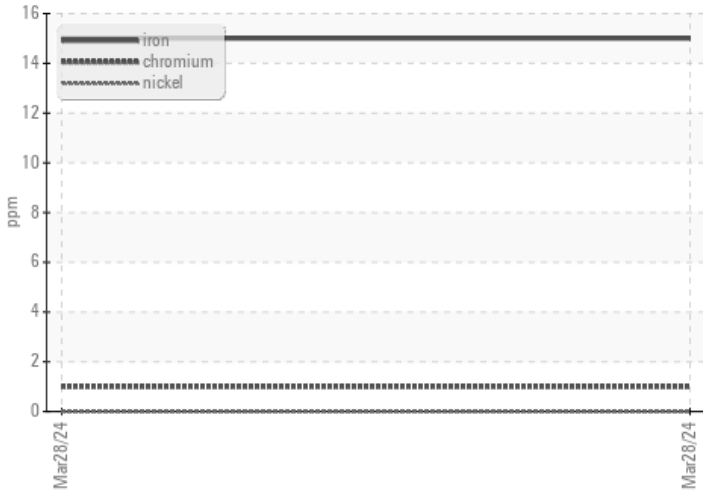
Calcium	ppm	█ 953	---	---	---
Magnesium	ppm	█ 1079	---	---	---
Zinc	ppm	█ 1300	---	---	---
Phosphorus	ppm	█ 955	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 63	8:48:27 Rev: 1	---	---

Depot: NOLSHI
Unique No: 10963990
Signed: Don Baldrige
Report Date: 06 Apr 2024

Contact/Location: WILSON NOLT - NOLSHI

GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

