

- DIESEL ENGINE

Sample No: JR0215526

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	JR0215526	---	---	---
Sample Date	31 May 2024	---	---	---
Machine Hours	18	---	---	---
Oil Hours	18	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

JRE - CHARLOTTE

9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com
 T: (704)597-0211
 F: (704)596-6198

OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	62	---	---	---

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 %	%	█ 0.2	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 13	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 52	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

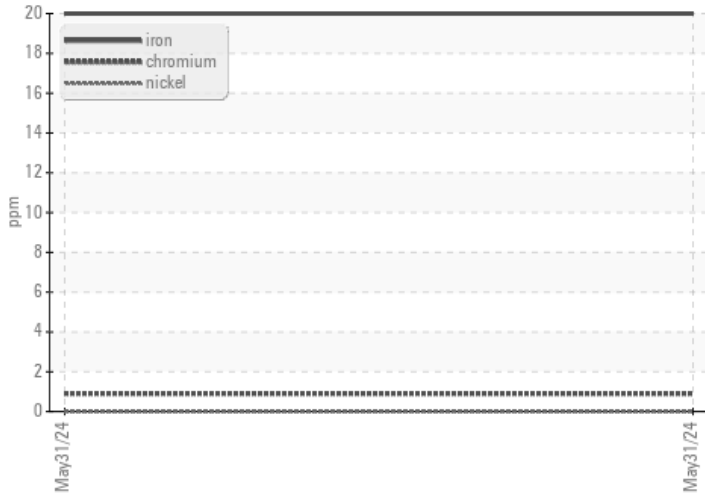
Calcium	ppm	█ 1207	---	---	---
Magnesium	ppm	█ 722	---	---	---
Zinc	ppm	█ 1154	---	---	---
Phosphorus	ppm	█ 1012	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 46	2:47:06 Rev: 1	---	---

Depot: JAMCHA
Unique No: 11061015
Signed: Don Baldrige
Report Date: 06 Jun 2024

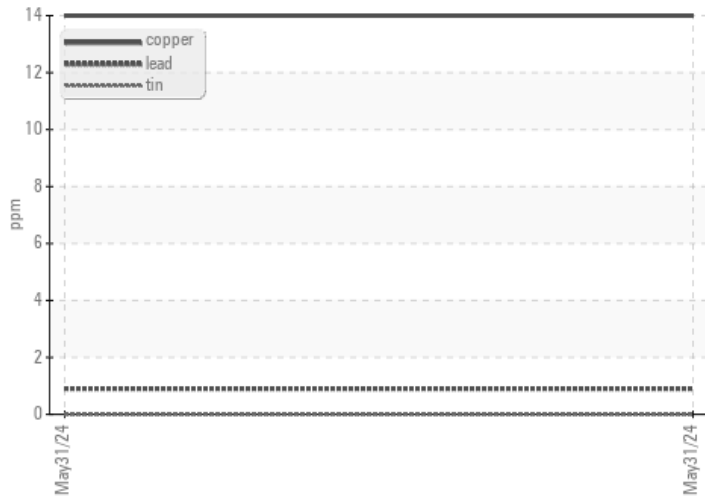
Contact/Location: Mike Young - CHARLOTTE SHOP - JAMCHA

GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

