

Equipment - Component
FURGON 2448 TRH121 - Engine - Diesel Motor Diesel-4JJ1

Site/Vessel Name - Code
COORDINADORA MERCANTIL MEDELLIN - 21636

Customer
COORDINADORA MERCANTIL

Manufacturer - Model
Isuzu - 4JJ1

LubeAnalyst Code
01431539/EOH01

Registered Lubricant
Shell - Rimula R4 X 15W-40




Normal

Diagnosis

Todos los parámetros del aceite están bien. No se manifiestan problemas por desgaste de la maquinaria.

Sample Information

Sample Number	4913179138
Sample Condition	
Sample Date	09/Mar/2021
Sample Received	19/Mar/2021
Sample Completed	25/Mar/2021
Lubricant in use	Rimula R4 X 15W-40
Equipment Life	131639 (Kilometres)
Lubricant Life	8000 (Kilometres)
Top-up Volume	
Sample from Oil Drain	No

Physical Characteristics

Viscosity 100°C cSt	14.1
TBN (D 2896) mg KOH/g	UTT*
TAN (D 664) mg KOH/g	UTT*

Wear

Iron (Fe) ppm	17
Chromium (Cr) ppm	1
Tin (Sn) ppm	0
Lead (Pb) ppm	1
Copper (Cu) ppm	2
Nickel (Ni) ppm	0
Aluminium (Al) ppm	1
Vanadium (V) ppm	0
Silver (Ag) ppm	0
Titanium (Ti) ppm	0
Manganese (Mn) ppm	0

Contamination

Water (FT-IR) %	0.00
Glycol (FT-IR) %	0.00
Sodium (Na) ppm	6
Silicon (Si) ppm	6
Fuel (FT-IR) %	0.00
Soot (FT-IR) Abs cm ⁻¹	0.07

Additives

Calcium (Ca) ppm	3453
Zinc (Zn) ppm	1261
Phosphorus (P) ppm	1019
Molybdenum (Mo) ppm	31
Magnesium (Mg) ppm	16
Boron (B) ppm	378

Oil Condition

Oxidation (FT-IR) Abs cm ⁻¹	0.05
Nitration (FT-IR) Abs cm ⁻¹	0.05
Sulfation (FT-IR) Abs cm ⁻¹	0.01