

# LABORATORY ANALYSIS



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**PETRON PLUS GLOBAL, INC**  
208 EAST 2ND AVENUE  
HUTCHINSON, KS  
United States 67501  
Contact: Service Manager

Equipment No. **49 (00002)**  
System **Diesel Engine**  
Oil Type **CHEVRON 15W40 (--- GAL)**

T:  
F:

## 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 condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

Lab Number	New	<b>2312-00410</b>	---	---
Date of Sample	(Typical)	<b>06 Dec 2023</b>	---	---
Oil Added		<b>UNK</b>	---	---
Last Drain Date		<b>--</b>	---	---
Last Filter Service		<b>--</b>	---	---
Sample Point		<b>---</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## VISCOSITY @ 100F OR 40C (ASTM D-445)

SSU Vis. @ 100F	SSU	<b>491.5</b>	---	---
cSt Vis. @ 40C	cSt	<b>94.13</b>	---	---

## % WATER - KARL FISCHER (ASTM E203)

% Water (KF)	%	<b>0.016</b>	---	---
ppm Water (KF)	ppm	<b>160</b>	---	---

## TOTAL ACID NUMBER (NEUT. NO.)(ASTM D974)

TAN, mg KOH/g	mg KOH/g	<b>2.93</b>	---	---
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## ICP - OILS (REPORTED IN PARTS PER MILLION)

Aluminum (Al)	ppm	<b>7</b>	---	---
Antimony (Sb)	ppm	<b>&lt;5</b>	---	---
Cadmium (Cd)	ppm	<b>&lt;5</b>	---	---
Chromium (Cr)	ppm	<b>&lt;5</b>	---	---
Cobalt (Co)	ppm	<b>&lt;5</b>	---	---
Copper (Cu)	ppm	<b>&lt;5</b>	---	---
Iron (Fe)	ppm	<b>23</b>	---	---
Lead (Pb)	ppm	<b>&lt;5</b>	---	---
Manganese (Mn)	ppm	<b>&lt;5</b>	---	---
Molybdenum(Mo)	ppm	<b>85</b>	---	---
Nickel (Ni)	ppm	<b>&lt;5</b>	---	---
Silver (Ag)	ppm	<b>&lt;5</b>	---	---
Tin (Sn)	ppm	<b>&lt;5</b>	---	---
Titanium (Ti)	ppm	<b>&lt;5</b>	---	---
Vanadium (V)	ppm	<b>&lt;5</b>	---	---
Barium (Ba)	ppm	<b>&lt;5</b>	---	---
Boron (B)	ppm	<b>377</b>	---	---
Calcium (Ca)	ppm	<b>1,390</b>	---	---
Magnesium (Mg)	ppm	<b>393</b>	---	---
Phosphorus(P)	ppm	<b>1,080</b>	---	---
Silicon (Si)	ppm	<b>5</b>	---	---
Zinc (Zn)	ppm	<b>1,180</b>	---	---
Sulfur (S)	ppm	<b>2,210</b>	---	---

Customer Id: ENC0060B01  
Sample No.: EN23120410  
Lab Number: 23120410  
Test Package: TEST



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To discuss the diagnosis or test data:  
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