

Coolant Sample Analysis

UIN: 0818B04	Unit N°: 12E20557
Compartment: Cooling System	Unit Make:
Make:	Unit Model:
Model:	Serial No.:
Serial N°:	Site: Tom Hund Pacific Provider
Description: Port Main Coolant	

DATE SAMPLED	28-Jul-20
DATE RECEIVED	14-Aug-20
DATE REPORTED	21-Aug-20

LAB NO.	41022548879
SIF NO.	37777822
COMPARTMENT	Hrs
SAMPLE	Hrs
COOLANT BRAND	500
COOLANT TYPE	Unidentified
COOLANT CHANGED	Coolant
WO NUMBER	

TEST/METHOD	UNITS	RESULTS
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Wear Metals/Contaminants/Additives (ppm)

Iron (Fe)	ppm	6
Copper (Cu)	ppm	<1
Lead (Pb)	ppm	<1
Aluminium (Al)	ppm	<1

Inhibitor Strength (Antioxidant)-RULER %

Boron (B)	ppm	234
Nitrites (Titrimetric/IC D5827)	ppm	1
Nitrates (D5827)	ppm	1
Silicon (Si)	ppm	4
Phosphorus (P)	ppm	7
Molybdenum (Mo)	ppm	8

Physical / Chemical

pH (D1287/Meter)		8.7
Total Dissolved Solids (D1125)	ppm	2510
Conductivity of Coolants(D1125)	uS/cm	5020
Freeze Point (D3321 Refractometer)	°F	27
Sulfates by IC (D5827)	ppm	93
Chloride by IC (ppm)	ppm	87



ANALYST: Susan.Stapleton

DIAGNOSIS:


Normal

LEGEND


 Severe


 Abnormal


 Caution


 Normal

pH level is normal. Glycol level is normal. All metals (Al, Fe, Cu & Pb) are within normal limits. Resample at the next scheduled interval.

Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Tribology for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

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Valley Power Systems Inc~
Attn: Accounts Payable
5725 Eastgate Dr
San Diego CA 92121
USA

0024 v1.4

Coolant Sample Analysis

UIN: 0818B09	Unit N°: 12E1093
Compartment: Cooling System	Unit Make:
Make:	Unit Model:
Model:	Serial No.:
Serial N°:	Site: Tom Hund Pacific Provider
Description: Stbd Main Coolant	

DATE SAMPLED	28-Jul-20
DATE RECEIVED	14-Aug-20
DATE REPORTED	21-Aug-20

LAB NO.	41022548880
SIF NO.	37777823
COMPARTMENT	Hrs
SAMPLE	Hrs
COOLANT BRAND	500
COOLANT TYPE	Unidentified
COOLANT CHANGED	Coolant
WO NUMBER	

TEST/METHOD	UNITS	RESULTS
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Wear Metals/Contaminants/Additives (ppm)

Iron (Fe)	ppm	7
Copper (Cu)	ppm	<1
Lead (Pb)	ppm	<1
Aluminium (Al)	ppm	<1

Inhibitor Strength (Antioxidant)-RULER %

Boron (B)	ppm	313
Nitrites (Titrimetric/IC D5827)	ppm	<1
Nitrates (D5827)	ppm	<1
Silicon (Si)	ppm	3
Phosphorus (P)	ppm	8
Molybdenum (Mo)	ppm	15

Physical / Chemical

pH (D1287/Meter)		8.8
Total Dissolved Solids (D1125)	ppm	2525
Conductivity of Coolants(D1125)	uS/cm	5050
Freeze Point (D3321 Refractometer)	°F	27
Sulfates by IC (D5827)	ppm	91
Chloride by IC (ppm)	ppm	84



ANALYST: Susan.Stapleton

DIAGNOSIS:


Normal

LEGEND


 Severe


 Abnormal


 Caution


 Normal

pH level is normal. Glycol level is normal. All metals (Al, Fe, Cu & Pb) are within normal limits. Resample at the next scheduled interval.

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