



TEST REPORT



PAB ACCREDITED
TESTING LABORATORY
PNS ISO/IEC 17025 : 2005
LA-2013-251A

Customer: OPT PHILIPPINES INC.,
Address: Unit 406 Emerald Place Bldg., 604 Shaw Blvd., Kapitolyo, Pasig City
Requestor: Ms. Lorena Magdalena

Equipment Information

Source: -
Equipment Name: -
Equipment Brand/Model: -
Sample location: -
Type of Lubricant Oil: -

Sample Information

ITS Job Reference No: 0418-0918-LCM
ITS Sample No: ITS-L-2518-09/18
Date Received: 19-Sep-18
Date Tested: 19-24-Sep-18
Report Date: 24-Sep-18
Sampling Date: August 25, 2015 @0900H
Equipment Service, hrs: -
Oil Service, hrs: -
Tested By: DNV /AKG /FMM

OIL ANALYSIS DATA			Lubricant Condition Rating	
Test Conducted	Unit	RESULT		
Physical Properties				
Appearance/ Color		Light Yellow	100.00	Viscosity @ 40°C, cSt
Viscosity at 40°C (ASTM D445-17)	cSt	51.62	0.00	
Viscosity at 100°C (ASTM D445-17)	cSt	7.666		
Viscosity Index (ASTM D2270-10e1)		113	1.00	Total Acid Number, mgKOH/g
*Total Acid Number (ASTM D664-17)	mg KOH/g	0.74	0.00	
Contaminants				
*Water Content (ASTM E203-08)	% mass	0.048	0.100	Water Content %mass
Elemental Analysis by ICP (ASTM D5185-13)				
Iron (Fe)	mg/kg	<1	0.000	
Chromium (Cr)	mg/kg	<1		
Molybdenum (Mo)	mg/kg	<1		
Copper (Cu)	mg/kg	<1		
Lead (Pb)	mg/kg	<1		
Silver (Ag)	mg/kg	<1		
Tin (Sn)	mg/kg	<1		
Aluminum (Al)	mg/kg	<1		
Nickel (Ni)	mg/kg	<1		
Vanadium (V)	mg/kg	<1		
Silicon (Si)	mg/kg	1		
Boron (B)	mg/kg	<1		
Sodium (Na)	mg/kg	<1		
Magnesium (Mg)	mg/kg	<1		
Phosphorous (P)	mg/kg	322		
Zinc (Zn)	mg/kg	42.1		
Barium (Ba)	mg/kg	<1		
Calcium (Ca)	mg/kg	51		
Potassium (K)	mg/kg	1		
Titanium (Ti)	mg/kg	<1		

Remarks: Sample tested as received. The analysis was conducted by ITS Singapore OCM Lab, reference to OC1809840.

*Test is accredited by Philippine Accreditation Bureau (PAB), DTI, Philippines in accordance with the scope of PNS ISO/IEC 17025:2005.

Checked and Reviewed By:

Eula Joy T. Taton, RChE

Approved by:

Mando M. Magat
Registered Chemist
PRC License No. 6552
Reg. Date: 21 January 1986
Exp. Date: 9 November 2020
PTR No.: 6653956
Date Issued: 25 January 2018
Exp. Date: 31 December 2018
Makati City



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Attention is drawn to the terms and conditions which was agreed and signed upon together with the proposal or test application form.

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