Lubricant Inspection Report

METRO TECH SYSTEMS LTD
Petroleum Products Consultants
Bay 112, 5621 - 11th Street N.E.
Calgary, Alberta T2E 6Z7
Telephone (403) 295-8803 Fax (403) 295-3848
eMail metrotech@metrotechsystems.ca

ISO 9001:
Registered Firm

Client
Location
Unit Number
Component
Make / Model
Serial #

NEW OIL
Platinum Full Syn. 0W20

Lab Number:	ZZ4821	New Oil
Sample Date:	Aug 05/21	Apr 26/19
Unit:		
Oil:		
Oil Type:	PENNZOIL 0W20	PENNZOIL 0W20
METALS (D5185): Milligrams per Kilogram (PPM)	Highlighted Test Results Indicate Abnormal Concentrations	
Tin	0	0
Lead	0.8	0.3
Copper	0.8	0.1
Aluminum	0	0.5
Silicon	2	4
Iron	1	0.9
Chromium	0	0
Silver	0	0
Zinc	648	707
Magnesium	648	641
Nickel	0	0
Barium	0	0
Sodium	1	1
Calcium	934	972
Vanadium	0	0
Phosphorus	560	590
Molybdenum	77	76
Boron	280	234
Manganese	0	0
PHYSICAL PROPERTIES		
Viscosity (D445) @ 40C		
Viscosity (D445) @ 100C	8.358	8.671
Water (D4007) (% v/v)	0	0
Solids (D4007) (% v/v)	0	0
Glycol	No	
Fuel Dilution		
OTHER PROPERTIES		
Acid No. (D664)		
Base No. (D2896)		
Base No. (D4739)		
Oxidation		
Nitro Compounds		
Organic Nitrates		
Particle Count(ISO 4406)		
Oil Changed?		

COMMENTS **RATING SYSTEM:** **A is LOW** **B is LOW to MODERATE** **C is MODERATE** **D is HIGH** **E is SEVERE**

ZZ4821 - Tests do not indicate any current problems.

Laboratory Telephone (403) 295-8803 Results were verified on Aug 05/21 by F Saiad Shirabad 108016 01