



Rixx Motor Oil
Victor Kotov
8106 Landau Park Ln
Spring, TX, 77379

Lab Number: 0674
Logged Date: May 05 2021
Sample Drawn: Apr 30 2021

Report Date: 6/3/2021
Record Ref. #: 9028123

Unit ID: RIXX TPX 5W-40
Sample ID: NEW OIL
Worksite:
From: Rixx Motor Oil

Mfg: -
Model: -
PO No.: CC PAYMENT

Test	TESTING PERFORMED:	Result	MEASURED for Sample 0674
		Flash Point (°F)	397
ASTM D-1298	SPECIFIC GRAVITY	Specific Gravity (Kg/L)	0.8538
ASTM D5185	SPECTROCHEMICAL ANALYSIS	Iron (ppm)	1
		Chromium (ppm)	<1
		Nickel (ppm)	<1
		Aluminum (ppm)	<1
		Lead (ppm)	<1
		Copper (ppm)	1
		Tin (ppm)	<1
		Silver (ppm)	0.3
		Titanium (ppm)	<1
		Silicon (ppm)	5
		Boron (ppm)	5
		Sodium (ppm)	<1
		Potassium (ppm)	4
		Molybdenum (ppm)	35
		Phosphorus (ppm)	818
		Zinc (ppm)	972
		Calcium (ppm)	3063
		Barium (ppm)	<1
		Magnesium (ppm)	12
		Antimony (ppm)	<1
		Vanadium (ppm)	<1
ASTM D-6304	KARL FISHER	KF PPM (ppm)	998
ASTM D-874	SULFATED ASH	Sulfated Ash (% wt.)	1.2030
ASTM D-97	POUR POINT	Pour Point (°C)	-35
D2270		Viscosity Index	177
D664	TAN	TAN	1.80
D7279	VISCOSITY	V100 (cSt)	15.0
		GRAD	40
D7593	FUEL DILUTION	Diesel Fuel (%)	<0.50
DRD		Large Particles	8.5



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DRD		Small Particles	4.8
		Wear Particle Concentration	13.3
		% Large Particles	27.8
FUEL SOOT		LEMS (%)	0.10
GLYCOL BY COLOR		GLY	NEG
PARTICLE COUNT		>4 microns	8827
		>6 microns	1422
		>14 microns	10
		>21 microns	2
		>38 microns	<1
		>70 microns	<1
		ISO 4406-99	20/18/11
TAN		TAN	1.80
TBN		TBN	7.98
VISCOSITY @ 40°C		V40 (cSt)	89.2
WATER		W (%)	<0.1

Maintenance Recommendations for Lab No. 0674

This is a REFERENCE SAMPLE. TEST RESULTS ARE SATISFACTORY for a diesel engine oil 5w-40. (Based on the information available).

Respectfully Submitted,

LHILL
Bureau Veritas